20” TFT
SERVICE MANUAL
(17MB18)

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1. IC Programming

17MB18 has two programmable ICs, UOCIII (IC203) and 29XX800 (IC102, having the PW1306 (IC100) codes).
29XX800 (IC102) will be programmed before the TV production and will be mounted as programmed. On the other hand, software update can be reeded after production so the programming instructions is given also for this IC in related chapter.

1.1. UOC III Programming

Step 1: Entering to ISP Mode

1. Press Power On and turn on the TV.
2. Press Remote Controls (RC) “Menu” (M) and “4””7””2””5” buttons respectively.
3. The following menu will displayed on the screen.

GTV 3.2.1
000 EurAsia TVSub 05.01

00000000 00111100
01000000 01100100
11000101 01100100
00000000 01100100

4. Press RCs “0” ”0” ”2” buttons respectively.(“ISP Mode 0” line will be displayed on the screen.)
5. Press RCs “Volume +” button and set UOC to ISP mode. .(“ISP Mode 1” line will be displayed on the screen.)

Step 2: Loading the Code

1- Connect the 5 pin cable of the “programming board” to PL203 of the 17MB18 mainboard. Connect the programming board to the computer in which “WISP” program is loaded via “Paralel Port”.
2- Run WISP program. As it is seen in figure1 change “Delay time” value to “5” ms.
3- Under “Settings Menu”, set the I2C configurations as it is seen in figure2; press “Confirm” and close this window.

(Note: Once the above settings are done, there is no need to do them again each time loading the UOC code.)

4- Click “Enter ISP Mode” button and then click “Send” button. In the white display area with “ISP status” heading, “ISP mode... Ready” will be displayed. (Unless you do not see this warning, check the cable connections and the settings described above.)

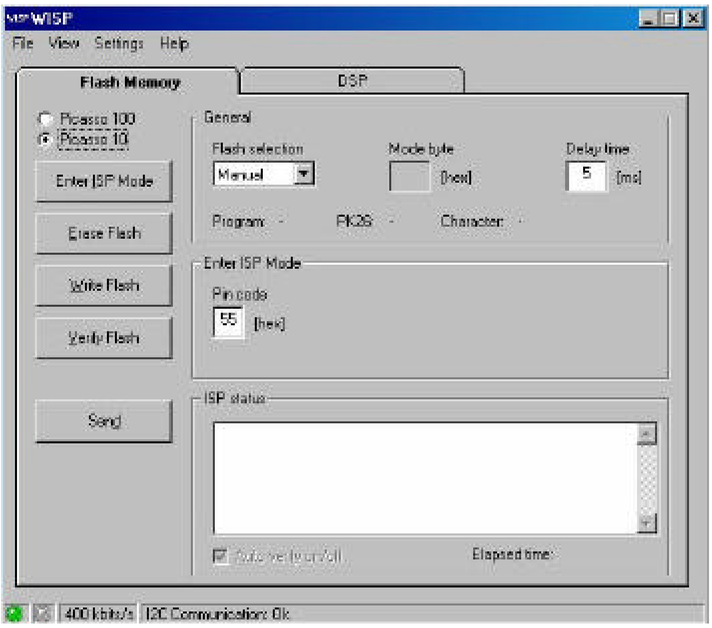


Figure1: WISP Main Menu

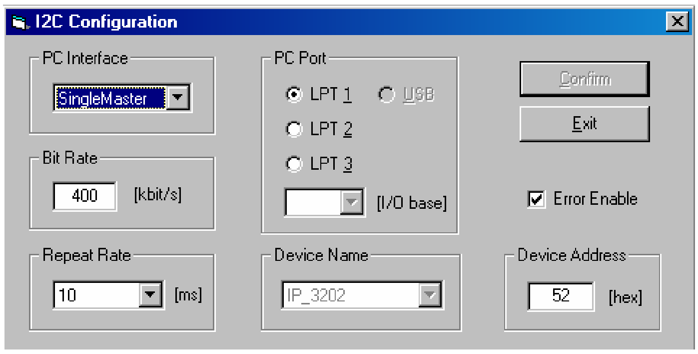


Figure2: I2C Configuration

5- Click “Erase Flash” button and then click “Send” button. If ereasing is done without any problem, “three green OK” will be displayed on the main menu window. This indicates that the memory inside the IC is erased succesfully.
6- Click “Write Flash” button and then click “Browse” button. Select the “gtv.hex” UOC code file by browsing the explorer to the folder where this “gtv.hex” file is stored. Wait for a few seconds untill the program reads the code. You will see the blue bar indicating the “reading operation” on the bottom of the Wisp main menu window.
7- Click “Send” button. You will see the blue bar indicating the “Loading Code to UOC IC” on the bottom of the window. When the loading operation is over without any error “three green OK” will be displayed on the window. This indicates the loading operation is performed succesfully.

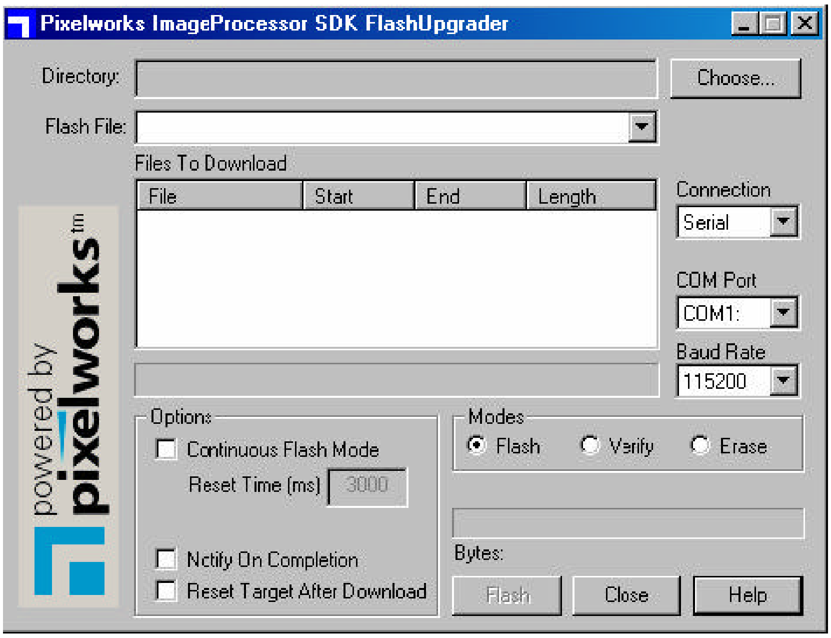
Step3: Initializing the TV

8- Turn off and on the TV. Press RCs “Menu” (M) and “4””7””2””5” buttons respectively.
9- Press RCs “0” ”0” ”1” buttons respectively. (“Init TV 0” will be displayed on the screen)
10- Press RCs “Volume +” and set “Init TV 1” and wait the TV to automatically turn off.

1.2. 29XX800 Programming for PW1306

The following instructions are only needed for software upgrades. For the TV production, pre-programmed 29XX800 will be mounted on the board.

1- Copy flasher.hex and romcode.hex to "X:\XXX\ QTV_TVK2_V_021\Project\PW13XX_QTV" directory.
2- Connect programmer board 4-pin cable to PL100 on 17MB18.
3- Connect programmer board serial port cable to PC COM Port1.
4- Close jumper PL501.
5- Execute "FlashUpgrader.exe" in "C:\XXX\ QTV_TVK2_V_021\bin\" directory.
6- Press "Choose" and select romcode.inf from "C:\XXX\ QTV_TVK2_V_021\Project\PW13XX_QTV" directory.
7- Press "Flash"
8- Power on the board. Observe the sliding bar on the main menu showing that flasher.hex and then romcode.hex are being downloaded to the IC on 17MB18 main board.
9- Power off the board when the download operation is over.
10- Open jumper PL501.



11- Power On the board. Press Remote Controls (RC) "Menu" (M) and "4""7""2""6" buttons respectively.
12- By using RIGHT and LEFT buttons of the RC, select "Service Submenu 2"
13- By using DOWN button of the RC highlight Init NVM. Press RIGHT button of the RC and initialize the PixelWorks side.
14- Turn Off and On the TV.
15- Depanding the size of the Panel(15", 17", 20") the screen may be full white and no picture is observed.

If screen is full white:

For 15" TV, Press Remote Controls (RC) "Menu" (M) and "4" "7" "2" "6" buttons and then "0" respectively.

For 17" TV, Press Remote Controls (RC) "Menu" (M) and "4" "7" "2" "6" buttons and then "2" respectively.

For 20" TV, Press Remote Controls (RC) "Menu" (M) and "4" "7" "2" "6" buttons and then "1" respectively.

2. INTRODUCTION

2.1. Scope

The document covers **20" integrated digital TV(IDTV)** 17MB18 chassis building blocks, basic features, service menu settings, and the other information needed by service personal.

2.2. General Features

The system is a 14" to 23" TFT LCD TV solution with UOCIII Versatile Signal Processor and PW1306 Video Image Processor chip-set on 4-layer PCB. The TV will support PAL/SECAM B/G/D/K/I/L/L'.
The other general default features of the TV are as listed below:

- 1 Full Scart input (with SVHS support)
- 1 SVHS input through standard S-Video interface.
- 1 CVBS input through standard RCA jack
- 75 ohms antenna input
- D-Sub 15 PC Input
- GERMAN + NICAM STEREO
- <**3**W S/B Power Consumption from mains supply
- 2x3W Speaker Output Power @16 Ohm spks; HP Output, Stereo Audio line out
- Stereo Audio line in
- Equalizer
- IR Control (RC5)
- **OSD;Menu Languages ENG, FRA, GER, ITA, SPA, POR, TUR, SWE, DEN, FIN, CRO, SLO, SLOVEN, NOR, POL, CZE, HUN,ROM,BUL, RUS (subject to change and be grouped)**
- Teletext
- 2H/4H Comb Filter
- White balance settings (warm/normal/cool) for TV&PC
- Full AIR&CABLE band coverage
- Auto Shut down

3. SYSTEM BUILDING BLOCKS

17MB18 chassis main blocks are as follows:

- **Analog Front End** : UOCIII (Microcontroller + Video Proccessor + Sound Proccessor + IF), CTI, Tuner, SAW filters, Audio Amp., DAC
- **Back End** : PW1306(Microcontroller, Scaler, OSD, Keyboard/IR Interface)
- **Side Board(s)** : Keyboards, IR/LED Boards, TTL Panel Interface Cards, VCbCr Input Board (Optional)

3.1. Analog Front End

17MB18 Main Board consists of two major blocks. The first block is analog front-end and this block is handled by UOCIII chip that is highly multifunctional. This IC does demodulation of Video & Audio from Tuner IF, CVBS, Audio, RGB, SVHS input selection and processing. It has an audio processor that supports equalizer or tone control, volume control, AVL, surround effect etc and supplies amplifier, headphone and CVBS & audio line outputs. It handles video processing such as colour standard detection and demodulation, picture alignment (brightness, contrast, colour etc.). The IC also does teletext decoding with 10 pages text memory. After video processing, the processed video is applied to PW1306 chip in RGB format.

The TV Tuner is an asymmetrical IF output type and is PLL controlled. For multistandard reception, a switchable SAW filter is used as the sound filter and it is controlled by SAW_SW output from UOC. After the SAW filter block, IF signal is applied to UOC IF inputs (VIFIN[1,2] and SIF[1,2]).

As UOCIII can handle all the audio processing, there is no need for additional audio processor solution on the board. UOC supports three Audio outputs. These outputs are assigned to Headphone, Speaker and Scart Audio line outputs. The board employs TDA7056A and TDA1308 to drive speaker and headphone outputs respectively. As another dedicated output for Audio Line out from jack is not possible in UOC, this line out signal is obtained by using I2S input DAC CS4335. UOCIII I2S output is converted to anolog signal by DAC CS4335.

3.1.1. Tuner

As the thickness of the TV set has a limit, a horizontal mounted tuner with longer connector is used in the product. The tuning is available through the digitally controlled I^2C bus (PLL). Below you will find info on the Asymmetrical Tuner in use.

General description:

The tuner meets a wide range of applications. It is a combined VHF, UHF tuner suitable for CCIR systems B/G, H, L, L', I and I'. The low IF output impedance drives a wide variety of SAW filters with sufficient suppression of triple transient.

Features:

- Small sized UHF/VHF tuners
- Systems CCIR: B/G, H, L, L', I and I'; OIRT: D/K
- Digitally controlled (PLL) tuning via I^2C-bus
- Off-air channels, S-cable channels and Hyper band
- $Z_{S(AE)}$ Aerial source impedance (unbalanced) 75 Ohm

PIN	SYMBOL	DESCRIPTION
1	AGC	Automatic Gain Control Voltage 4 ±0.1
2	TU	Tuning voltage monitor (output)
3	AS	I^2C-Bus Address Select
4	SCL	I^2C-Bus Serial Clock
5	SDA	I^2C-Bus Serial Data
6	n.c.	Not Connected
7	V_S	Supply Voltage +5V ±0.125
8	ADC	ADC Input
9	V_{ST}	Fixed tuning Supply Voltage +33V ±0.5

10	I.F out 2	Symmetrical I.F output 2 / Do not connect for asymmetrical
11	I.F out 1	Asymmetrical I.F Output / Symmetrical I.F output 1
M1,M2,M3, M4	GND	Mounting Tags (Ground)

3.1.2. SAW Filters

K3953M is an IF Filter for Video Applications. The package is SIP5K. Supported standards are B/G, D/K, I, L/L’.
K9656M is an IF Filter for Audio Applications. The package is SIP5K. Supported standards are B/G, D/K, I, L/L’.

3.2. Back End

The Back End section is handled by PW1306 chip. This IC has built in ADC’s for RGB and SOY support. The RGB input can handle standard interlaced RGB output from UOC, PC VGA RGB input. As only 1 set of ADC is present in PW1306 these sources should be multiplexed.
All the multiplexing operations are controlled by PW1306 via YUV_TV_SW (58) and VGA_TV_SW (57) signals.

A: VGA _TV_SW B: YUV _TV_SW		
A	**B**	**SYNC SOURCE**
0	0	UOC
0	1	VGA
1	0	YcbCr
1	1	NOT USED

Table 2: H/V Sync Multiplexing Table

The video output from PW1306 is a 48-bit digital RGB bus format and made available on two separate connectors with TTL control signals (i.e. HS, VS, CLK, etc.). This digital output is intended to interface to TTL compatible display devices. As PW1306 does not have integrated LVDS transmitter, 24 bit (even part of RGB) video output and TTL control signals from PW1306 are also inputted to DS90C385 LVDS IC to produce single pixel LVDS output for LVDS compatible LCDs.

Backlight control is also possible via PW1306 Porta7 pin (PWMOUT, PL176-10), that is a variable duty-cycle pulse generator output.

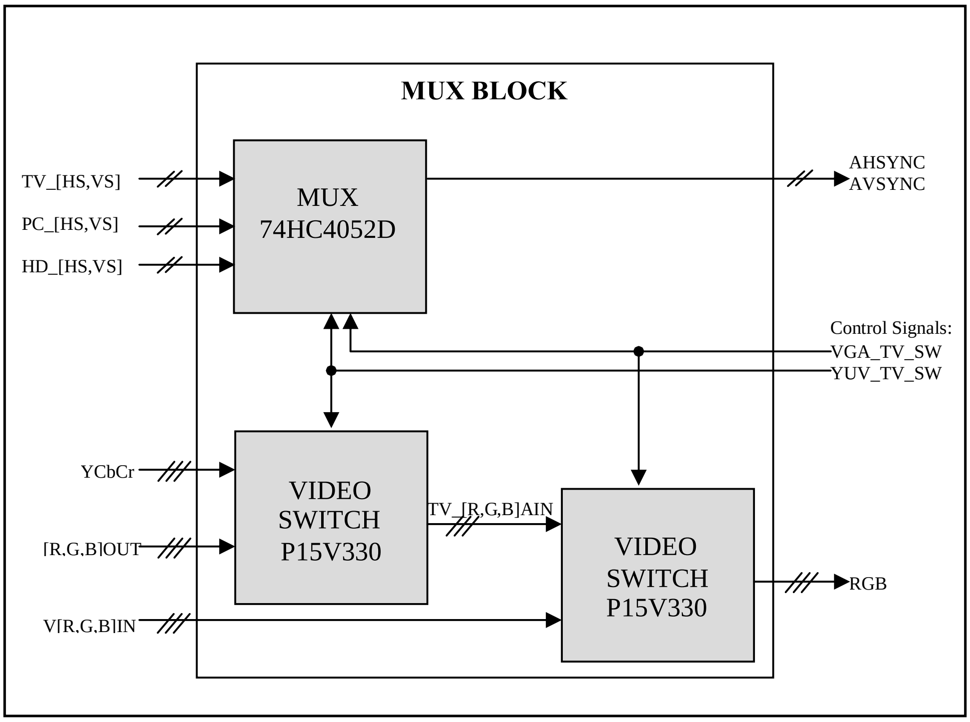


Figure 1: MUX Block.

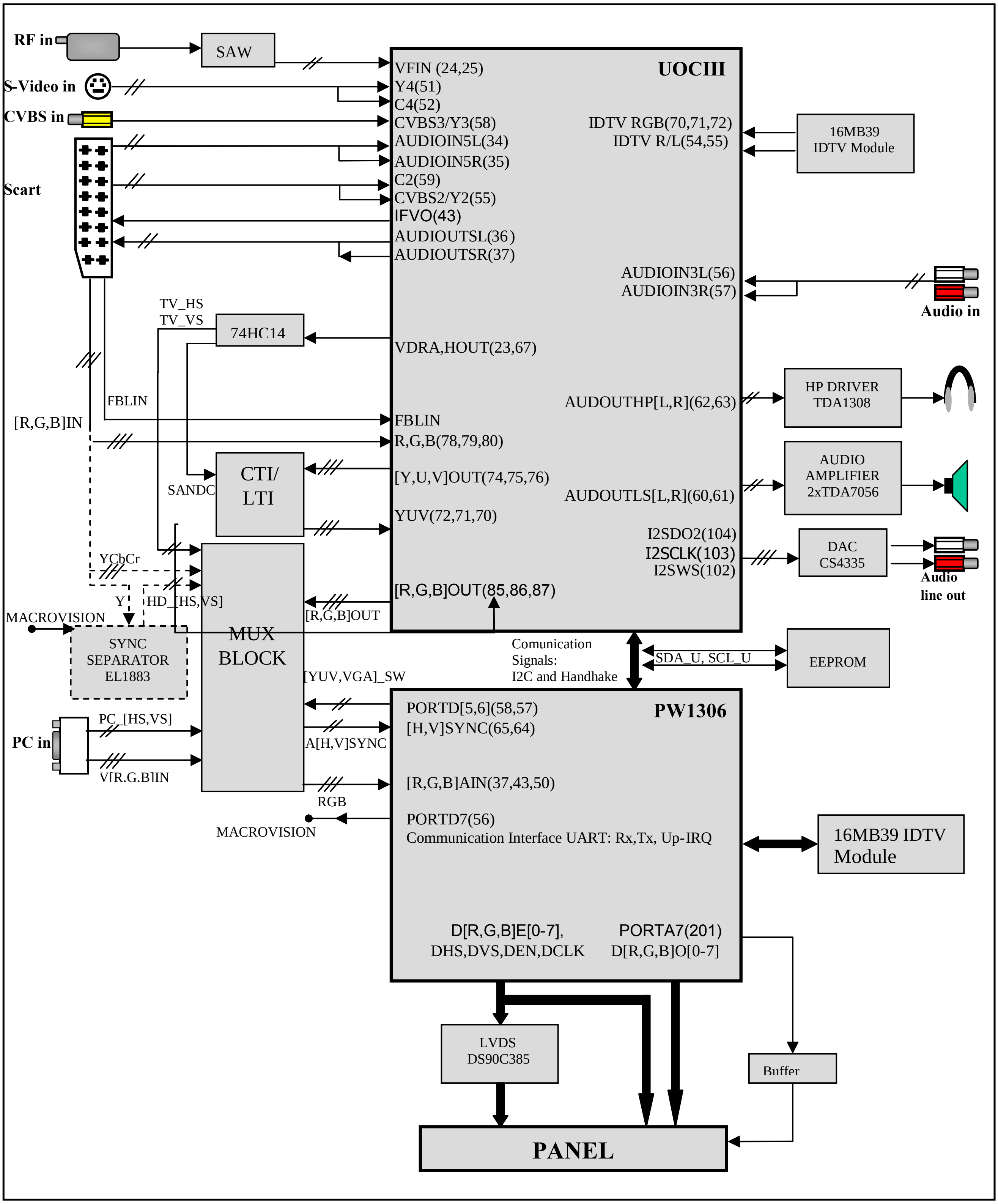


Figure 2: TV system block diagram.

3.3. Side Board(s)

3.3.1. Keypads

The keypads **(17TK15, 16, 17, 20, 21, 26)** for 17MB18 main board are listed in the Table below. (They have the same connector pinning though):

			20”
Key Name	Type	Function	21
Power	Soft sw.	Power shut-down and turn on	X
Stand-by	Tact sw.	Switch between stand-by and turn on modes.	-
TV/AV	Tact sw.	Input source select button.	X
Menu	Tact sw.	Display main menu on the screen. If any menu is active, display the upper menu. If main menu is active, turn menu off.	X
Program-	Tact sw.	Go to the lower program at any time in TV mode. In menu mode, go to down menu item.	X
Program+	Tact sw.	Go to the upper program at any time in TV mode. In menu mode, go to up menu item.	X
Volume-	Tact sw.	Decrease the volume level in the volume. In menu mode, go to left menu item.	X
Volume+	Tact sw.	Increase the volume level in the volume. In menu mode, go to right menu item.	X

Connector PL1 on keypads (connected to the connector PL175 on the main board):

Pin No:	Name	Pin No:	Name:
1	Volume+	6	Program+
2	Volume-	7	Program-
3	Ground	8	Menu
4	Not Connected*	9	TV/AV
5	Ground	10	Stand-by/Shut-down

*Reserved: It can be +5V in the future designs if needed.

3.3.2. IR&Led Board

IR&LED board contains LED indicator(s) to show TV’s status (Red for stand-by, green for normal operation) and one IR receiver to get remote control instructions. All the IR&LED boards have the same circuit and connector pinning but the different mechanical structure to fit different cabinets (see the related section for schematics and connector pinning).

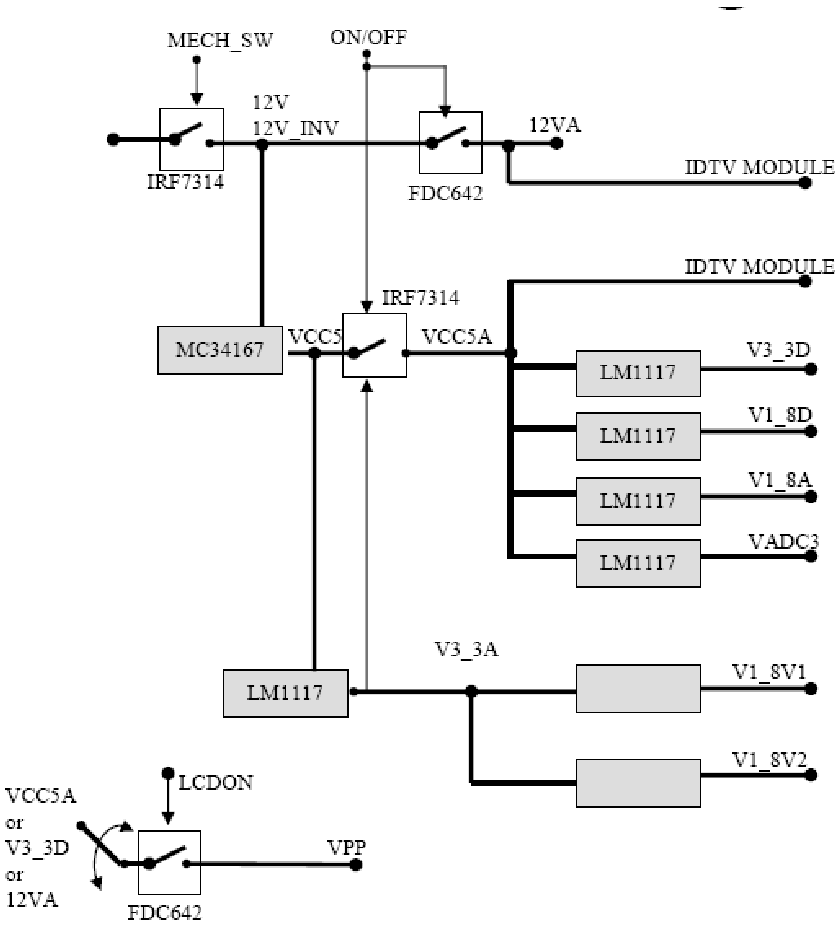
3.4. Power

Several linear regulators and switches are used to generate several separate analog and digital voltage supplies such as +5, +3.3, +1.8, etc. (Please check the Figure 3, and Table 3 for power management details.)

SIGNAL	SUPPLIED ICs	UOC	PW	Always on	MB	IDTV
INV	Inverter	-	-	-		
12VA	Audio Amplifiers (3W+3W or 5W+5WLinear), IDTV, (Panel)	X			0,8A rms +Panel	??
VCC5				X	1A+Panel	
VCC5A	UOC, Tuner, Sync Circuit, Headphones, MUX Block, DDC-EEPROM, IDTV, (Panel)	X			-	390mA+ (250mA)
V3_3A	UOC			X	270mA	
V3_3D	PW1306 (VDDQ Digital I/O), Flash, LVDS, Keypad I/O, I2C-EEPROM, (Panel)	X			190mA+ Panel	
V1_8D	PW1306 (VDD Digital core, VDDPA-Analog Clock)	X			110mA	
V1_8A	PW1306 (PVD-PLL, ALVDD-ADC PLL, DVDD-ADC Digital)	X			20mA	
VADC3	PW1306 (AVDD ADC Analog)	X			238mA	
3_3V_IDTV	IDTV board (17MB39) will produce it from 12VA	X				350mA
2_5V_IDTV	IDTV board (17MB39) will produce it from 12VA	X				720mA
V1_8V1	UOC (VDD18-Decoupling Supply, VDDC-Digital core)			X	-	
V1_8V2	UOC (VDDC-SDACs, VADC-VideoADC, VDDA-AudioADC)			X	-	
VPP	Display Electronics		X			

If Vpp=3.3V Panel =1.1A (17") If Vpp=5V Panel=1,2A (20") If Vpp=12V Panel=0,5A (These are max consumptions of current panel's datasheets in Vestel database.)

Table 3: Power management table.


MECH_SW
ON/OFF
12V
12V_INV
12VA
IRF7314
FDC642
IDTV MODULE
IDTV MODULE
IRF7314
MC34167
VCC5
VCC5A
LM1117
V3_3D
LM1117
V1_8D
LM1117
V1_8A
LM1117
VADC3
V3_3A
LM1117
V1_8V1
V1_8V2
LCDON
VCC5A
or
V3_3D
or
12VA
VPP
FDC642

4. IC AND COMPONENT DESCRIPTIONS

4.1. Basic IC List

No	Title	Description
IC203	UOCIII	Versatile Signal Processor
IC100	PW1306	Video Image Processor with Analog Interface
IC102	MT28F800B3W	Flash Memory
IC176	DS90C385	Programmable LVDS Transmitter
IC103	EL1883	Sync Separator
IC405, IC402	P15V330	Wide Bandwidth 2-channel Multiplexer/Demultiplexer
IC404	74HC4052	Dual 4-channel Analog Multiplexer
IC200	TA1366FG	LTI/CTI IC
IC410, IC411	TDA7056A	Class AB Mono 3W Power Amplifier
IC401	TDA1308	Class AB Stereo Headphone Driver
IC500/1/2/3/4, IC201	LM1117	Linear Regulator
IC400	24LC21	
IC101	24LC32	Serial Electrically Erasable PROM

4.2. UOCIII

The UOCIII series combines the functions of a Video Signal Processor (VSP) together with a FLASH embedded TEXT/Control/Graphics m-Controller (TCG m-Controller) and US Closed Caption decoder. In addition the following functions can be added:

- Adaptive digital (4H/2H) PAL/NTSC combfilter
- Teletext decoder with 10 page text memory
- Multi-standard stereo decoder
- BTSC stereo decoder
- Digital sound processing circuit
- Digital video processing circuit

The UOC III series consists of the following 3 basic concepts:

- Stereo versions. These versions contain the TV processor with a stereo audio selector, the TCG m-Controller, the multi-standard stereo or BTSC decoder, the digital sound processing circuit and the digital video processing circuit. Options are the adaptive digital PAL/NTSC comb filter and a teletext decoder with 10 page text memory.
- AV stereo versions. These versions contain the TV processor with stereo audio selector and the TCG m-Controller. Options are the digital sound processing circuit, the digital video processing circuit, the adaptive digital PAL/NTSC comb filter and a teletext decoder with a 10 page text memory.
- Mono sound versions. These versions contain the TV processor with a selector for mono audio signals and the TCG m-Controller. Options are the adaptive digital PAL/NTSC combfilter and a teletext decoder with 10 page text memory.

4.2.1. Pinout

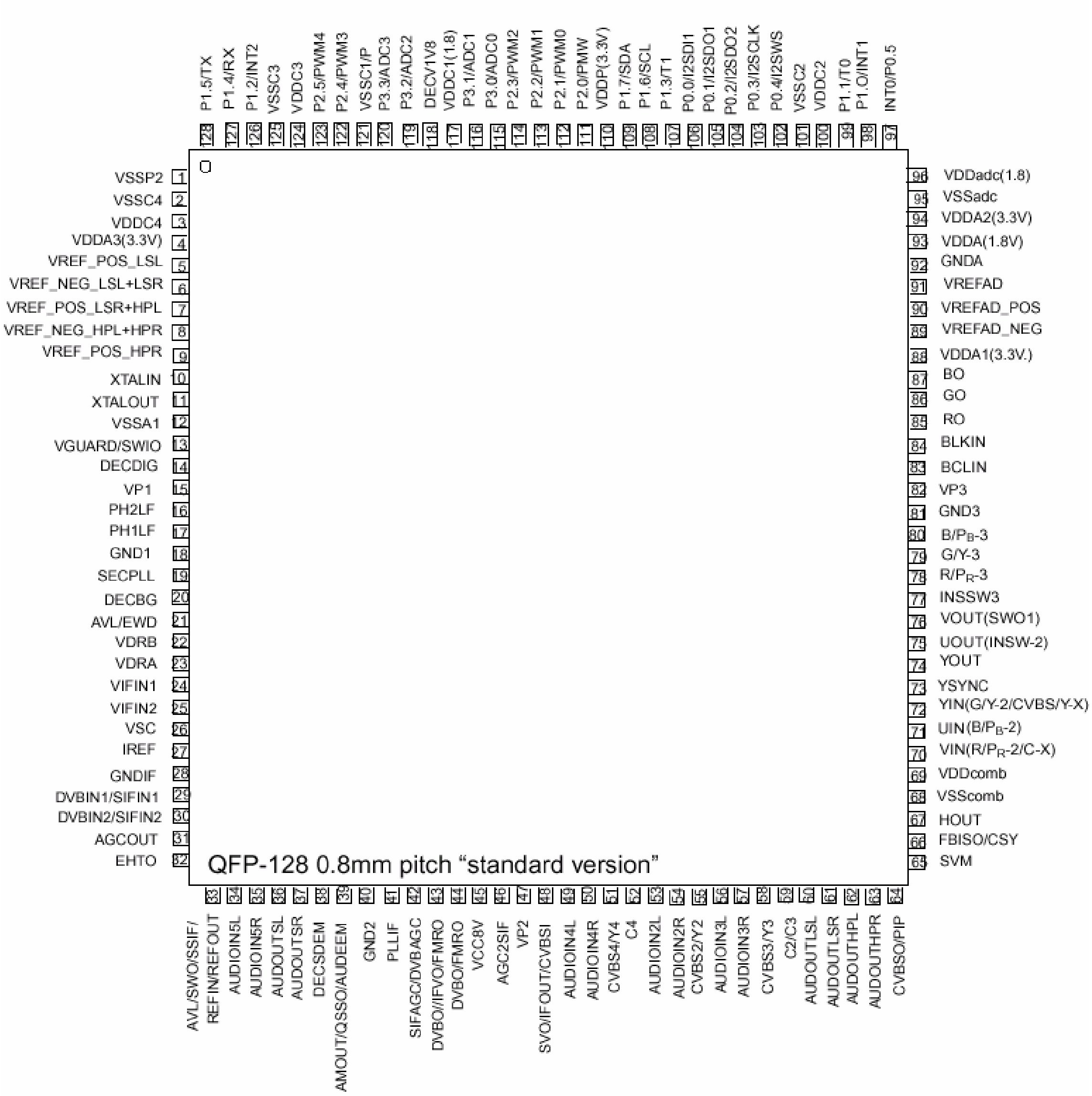


Figure 6: UOCIII Pin configuration "stereo" and "AV-stereo" versions with Audio DSP

SYMBOL	STEREO +AV STEREO	AV STEREO NO AUDIO DSP	MONO	DESCRIPTION
VSSP2	1	1	1	ground
VSSC4	2	2	2	ground
VDDC4	3	3	3	digital supply to SDACs (1.8V)
VDDA3(3.3V)	4	4	4	supply (3.3 V)
VREF_POS_LSL	5	-	-	positive reference voltage SDAC (3.3 V)
VREF_NEG_LSL+HPL	6	-	-	negative reference voltage SDAC (0 V)
VREF_POS_LSR+HPR	7	-	-	positive reference voltage SDAC (3.3 V)

SYMBOL	STEREO +AV STEREO	AV STEREO NO AUDIO DSP	MONO	DESCRIPTION
VREF_NEG_HPL+HPR	8	-	-	negative reference voltage SDAC (0 V)
VREF_POS_HPR	9	-	-	positive reference voltage SDAC (3.3 V)
XTALIN	10	10	10	crystal oscillator input
XTALOUT	11	11	11	crystal oscillator output
VSSA1	12	12	12	ground
VGUARD/SWIO	13	13	13	V-guard input / I/O switch (e.g. 4 mA current sinking capability for direct drive of LEDs)
DECDIG	14	14	14	decoupling digital supply
VP1	15	15	15	1st supply voltage TV-processor (+5 V)
PH2LF	16	16	16	phase-2 filter
PH1LF	17	17	17	phase-1 filter
GND1	18	18	18	ground 1 for TV-processor
SECPLL	19	19	19	SECAM PLL decoupling
DECBG	20	20	20	bandgap decoupling
EWD/AVL (1)	21	21	21	East-West drive output or AVL capacitor
VDRB	22	22	22	vertical drive B output
VDRA	23	23	23	vertical drive A output
VIFIN1	24	24	24	IF input 1
VIFIN2	25	25	25	IF input 2
VSC	26	26	26	vertical sawtooth capacitor
IREF	27	27	27	reference current input
GNDIF	28	28	28	ground connection for IF amplifier
SIFIN1/DVBIN1 (2)	29	29	29	SIF input 1 / DVB input 1
SIFIN2/DVBIN2 (2)	30	30	30	SIF input 2 / DVB input 2
AGCOUT	31	31	31	tuner AGC output
EHTO	32	32	32	EHT/overvoltage protection input
AVL/SWO/SSIF/ REFO/REFIN (2)(3)	33	33	33	Automatic Volume Levelling / switch output / sound IF input / subcarrier reference output / external reference signal input for I signal mixer for DVB operation
AUDIOIN5	-	-	34	audio 5 input
AUDIOIN5L	34	34	-	audio-5 input (left signal)
AUDIOIN5R	35	35	-	audio-5 input (right signal)
AUDOUTSL	36	36	-	audio output for SCART/CINCH (left signal)
AUDOUTSR	37	37	-	audio output for SCART/CINCH (right signal)
DECSDEM	38	38	38	decoupling sound demodulator
QSSO/AMOUT/AUDEEM (2)	39	39	39	QSS intercarrier output / AM output / deemphasis (front-end audio out)
GND2	40	40	40	ground 2 for TV processor
PLLIF	41	41	41	IF-PLL loop filter

SYMBOL	STEREO +AV STEREO	AV STEREO NO AUDIO DSP	MONO	DESCRIPTION
SIFAGC/DVBAGC (2)	42	42	42	AGC sound IF / internal-external AGC for DVB applications
DVBO/IFVO/FMRO (2)	43	43	43	Digital Video Broadcast output / IF video output / FM radio output
DVBO/FMRO (2)	44	44	-	Digital Video Broadcast output / FM radio output
VCC8V	45	45	45	8 Volt supply for audio switches
AGC2SIF	46	-	-	AGC capacitor second sound IF
VP2	47	47	47	2nd supply voltage TV processor (+5 V)
IFVO/SVO/CVBSI (2)	48	48	48	IF video output / selected CVBS output / CVBS input
AUDIOIN4	-	-	49	audio 4 input
AUDIOIN4L	49	49	-	audio-4 input (left signal)
AUDIOIN4R	50	50	-	audio-4 input (right signal)
CVBS4/Y4	51	51	51	CVBS4/Y4 input
C4	52	52	52	chroma-4 input
AUDIOIN2	-	-	53	audio 2 input
AUDIOIN2L/SSIF (3)	53	53	-	audio 2 input (left signal) / sound IF input
AUDIOIN2R	54	54	-	audio 2 input (right signal)
CVBS2/Y2	55	55	55	CVBS2/Y2 input
AUDIOIN3	-	-	56	audio 3 input
AUDIOIN3L	56	56	-	audio 3 input (left signal)
AUDIOIN3R	57	57	-	audio 3 input (right signal)
CVBS3/Y3	58	58	58	CVBS3/Y3 input
C2/C3	59	59	59	chroma-2/3 input
AUDOUTLSL	60	62	-	audio output for audio power amplifier (left signal)
AUDOUTLSR	61	63	-	audio output for audio power amplifier (right signal)
AUDOUT/AMOUT/FMOUT	-	-	62	audio output / AM output / FM output, volume controlled
AUDOUTHPL	62	-	-	audio output for headphone channel (left signal)
AUDOUTHPR	63	-	-	audio output for headphone channel (right signal)
CVBSO/PIP	64	64	64	CVBS / PIP output
SVM	65	65	65	scan velocity modulation output
FBISO/CSY	66	66	66	flyback input/sandcastle output or composite H/V timing output
HOUT	67	67	67	horizontal output
VSScomb	68	68	68	ground connection for comb filter
VDDcomb	69	69	69	supply voltage for comb filter (5 V)
VIN (R/PRIN2/CX)	70	70	70	V-input for YUV interface (2nd R input / PR input or CX input)
UIN (B/PBIN2)	71	71	71	U-input for YUV interface (2nd B input / PB input)
YIN (G/YIN2/CVBS-YX)	72	72	72	Y-input for YUV interface (2nd G input / Y input or CVBS/YX input))
YSYNC	73	73	73	Y-input for sync separator

SYMBOL	STEREO +AV STEREO	AV STEREO NO AUDIO DSP	MONO	DESCRIPTION
YOUT	74	74	74	Y-output (for YUV interface)
UOUT (INSSW2)	75	75	75	U-output for YUV interface (2nd RGB / YP_BP_R insertion input)
VOUT (SWO1)	76	76	76	V-output for YUV interface (general purpose switch output)
INSSW3	77	77	77	3rd RGB / YP_BP_R insertion input
R/P_RIN3	78	78	78	3rd R input / P_R input
G/YIN3	79	79	79	3rd G input / Y input
B/P_BIN3	80	80	80	3rd B input / P_B input
GND3	81	81	81	ground 3 for TV-processor
VP3	82	82	82	3rd supply for TV processor
BCLIN	83	83	83	beam current limiter input
BLKIN	84	84	84	black current input
RO	85	85	85	Red output
GO	86	86	86	Green output
BO	87	87	87	Blue output
VDDA1	88	88	88	analog supply for TCG m-Controller and digital supply for TV-processor (+3.3 V)
VREFAD_NEG	89	89	89	negative reference voltage (0 V)
VREFAD_POS	90	90	90	positive reference voltage (3.3 V)
VREFAD	91	-	-	reference voltage for audio ADCs (3.3/2 V)
GNDA	92	92	92	ground
VDDA(1.8V)	93	93	93	analogue supply for audio ADCs (1.8 V)
VDDA2(3.3)	94	94	94	supply voltage SDAC (3.3 V)
VSSadc	95	95	95	ground for video ADC and PLL
VDDadc(1.8)	96	96	96	supply voltage video ADC and PLL
INT0/P0.5	97	97	97	external interrupt 0 or port 0.5 (4 mA current sinking capability for direct drive of LEDs)
P1.0/INT1	98	98	98	port 1.0 or external interrupt 1
P1.1/T0	99	99	99	port 1.1 or Counter/Timer 0 input
VDDC2	100	100	100	digital supply to core (1.8 V)
VSSC2	101	101	101	ground
P0.4/I2SWS	102	-	-	port 0.4 or I_2S word select
P0.4	-	102	102	port 0.4
P0.3/I2SCLK	103	-	-	port 0.3 or I_2S clock
P0.3	-	103	103	port 0.3
P0.2/I2SDO2	104	-	-	port 0.2 or I_2S digital output 2
P0.2	-	104	104	port 0.2
P0.1/I2SDO1	105	-	-	port 0.1 or I_2S digital output 1
P0.1	-	105	105	port 0.1

SYMBOL	STEREO +AV STEREO	AV STEREO NO AUDIO DSP	MONO	DESCRIPTION
P0.0/I2SDI1/O	106	-	-	port 0.0 or I2S digital input 1 or I2S digital output
P0.0	-	106	106	port 0.0
P1.3/T1	107	107	107	port 1.3 or Counter/Timer 1 input
P1.6/SCL	108	108	108	port 1.6 or I2C-bus clock line
P1.7/SDA	109	109	109	port 1.7 or I2C-bus data line
VDDP(3.3V)	110	110	110	supply to periphery and on-chip voltage regulator (3.3 V)
P2.0/TPWM	111	111	111	port 2.0 or Tuning PWM output
P2.1/PWM0	112	112	112	port 2.1 or PWM0 output
P2.2/PWM1	113	113	113	port 2.2 or PWM1 output
P2.3/PWM2	114	114	114	port 2.3 or PWM2 output
P3.0/ADC0	115	115	115	port 3.0 or ADC0 input
P3.1/ADC1	116	116	116	port 3.1 or ADC1 input
VDDC1	117	117	117	digital supply to core (+1.8 V)
DECV1V8	118	118	118	decoupling 1.8 V supply
P3.2/ADC2	119	119	119	port 3.2 or ADC2 input
P3.3/ADC3	120	120	120	port 3.3 or ADC3 input
VSSC/P	121	121	121	digital ground for m-Controller core and periphery
P2.4/PWM3	122	122	122	port 2.4 or PWM3 output
P2.5/PWM4	123	123	123	port 2.5 or PWM4 output
VDDC3	124	124	124	digital supply to core (1.8V)
VSSC3	125	125	125	ground
P1.2/INT2	126	126	126	port 1.2 or external interrupt 2
P1.4/RX	127	127	127	port 1.4 or UART bus
P1.5/TX	128	128	128	port 1.5 or UART bus

4.3. PW1306

The PW1306 Video Image Processor is a “system-on-a-chip ” that oversamples and processes RGB or YPbPr video from analog video decoders. The PW1306 integrates video processing, including deinterlacer and video enhancement filters with a triple ADC. Analog RGB or YPbPr in PC graphics, standard, or high-definition video can be displayed in either 4:3 or 16:9 formats.

- Supports analog video decoders with triple 8-bit Analog-to-Digital Converters (ADCs) up to 140 MSPS conversion rate
- Supports Sync-on-Green (SOG), Sync-on-Luma (SOY),and Composite sync inputs
- 1080i/720p/480p HDTV; 480i and 576i NTSC/PAL SDTV; PC graphics (up to SXGA)
- YPbPr/YCbCr/YUV-to-RGB Color Space Converter with programmable coefficients
- On-chip, bitmap-based, OSD controller with on-chip memory
- 24/30/48-bit RGB output with 135 MPixels/second maximum output rate

4.3.1. Pinout

This section lists the pin functions for the PW1306 208-pin PQFP package. Pin types include:

- I/O SR5 (I/O slew rate-controlled,5V input tolerant)

- I/O D5 (bidirectional, 5-volt tolerant with pull-down)
- I/O U5 (bidirectional, 5-volt tolerant with pull-up)
- ID 5 (input, 5-volt tolerant with pull-down)
- OS (output with fixed slew-rate control)
- AI (analog input, 5-volt tolerant)
- DI (digital input, 5-volt tolerant)
- DIS (digital input, 5-volt tolerant, Schmitt trigger)
- I (XTALIN)
- (XTALOUT)
- P (power)
- NC (no connect)
- BOD (bidirectional open drain)
- OSR (output with slew rate)

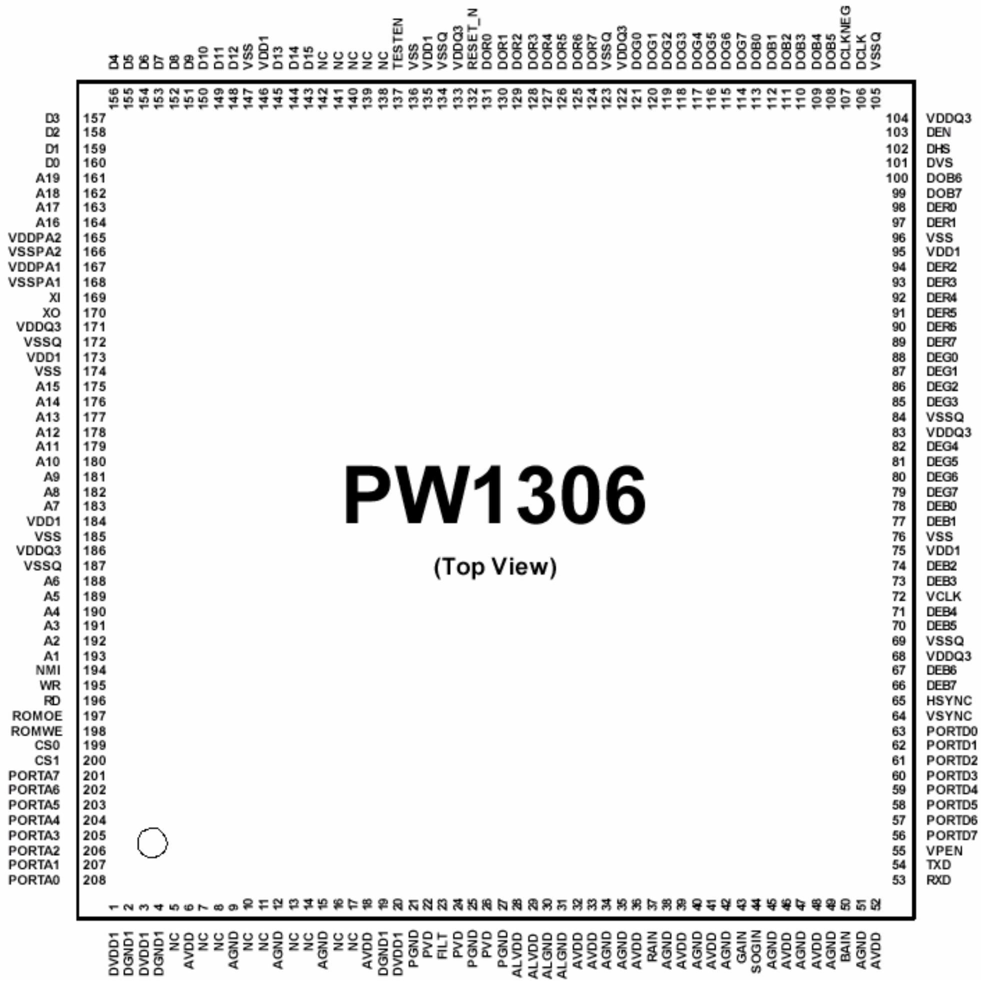


Figure 8: PW1306 Pin configuration.

Signal	Pin	Type	Function
RAIN	37	AI	Red/Green/Blue Analog Inputs. These pins receive the Red, Green and Blue, or YPbPr/YCbCr/YUV analog signals from the analog video source. For proper operation of the clamp feature, these inputs must be AC-coupled.
GAIN	43	AI	
BAIN	50	AI	

Signal	Pin	Type	Function
SOGIN	44	AI	Analog Sync-On-Green or Sync-On-Luma input. Allows recovery of the HSYNC signal when this pin is AC-coupling to the Green (Red or Blue) analog signal source. If not used, this pin should be left unconnected.
FILT	23	AI	External PLL Loop Filter. When using the on-chip PLL, this pin must be connected to an external filter network.
HSYNC	65	DIS	Horizontal Synchronization Input. This digital input signal controls the horizontal scan frequency by synchronizing the start of the horizontal scan. The logic polarity of this signal is controlled by the HSPOL bit.
VSYNC	64	DIS	Vertical Synchronization Input. This digital signal controls the vertical scan frequency.
DCLK	106	OSR	DPort Pixel Clock. Output clock for the display port pixel data. DCLK is enabled by the DCLKEN bit and can be inverted by the DCPOL bit. DCLK can be set to run at ½ pixel rate, for dual pixel output mode, by setting the DCK2EN bit. The internal DCLK clock domain can be disabled by the DCLKOFF bit to reduce power consumption.
DCLKNEG	107	OSR	DPort Pixel Clock.
DVS	101	OS	DPort Vertical Sync. DVS can be either active-high or active-low depending on the VSPOL bit. Width and timing is controlled by the VPLSE and VDLY registers.
DHS	102	OS	DPort Vertical Sync. DHS can be either active-high or active-low depending on the HSPOL bit. Sync width can be controlled by the HPLSE register.
DEN	103	OS	DPort Pixel Enable. This signal is active whenever valid data is present. The polarity is specified by the DENPOL bit.
DER0	98	OSR	DEPort Red Pixel Data. In dual pixel output mode these pins are the EVEN red outputs.
DER1	97	OSR	
DER2	94	OSR	
DER3	93	OSR	
DER4	92	OSR	
DER5	91	OSR	
DER6	90	OSR	
DER7	89	OSR	

Signal	Pin	Type	Function
DEG0	88	OSR	DEPort Green Pixel Data. In dual pixel output mode these pins are the EVEN green outputs.
DEG1	87	OSR	
DEG2	86	OSR	
DEG3	85	OSR	
DEG4	82	OSR	
DEG5	81	OSR	
DEG6	80	OSR	
DEG7	79	OSR	
DEB0	78	OSR	DEPort Blue Pixel Data. In dual pixel output mode these pins are the EVEN blue outputs.
DEB1	77	OSR	
DEB2	74	OSR	
DEB3	73	OSR	
DEB4	71	OSR	
DEB5	70	OSR	
DEB6	67	OSR	
DEB7	66	OSR	
VCLK	72	I/O D5	DVPort Pixel Clock. The VCLK pin is used for DV port image capture. The polarity can be selected by the VCLKPOL bit.
VPEN	55	I/O D5	DVPort Pixel Enable. Used when external flow control capture mode is enabled by the EXTFCE bit. When VPEN is active, the input data is valid. The polarity can be selected by the PENPOL bit. Use of this pin allows non-contiguous input data.

Signal	Pin	Type	Function
PORTD[0-7]	[56-63]	I/O	PORTD(7:0) can be used as GPO (Output Only).
DOR0	131	I/O SR5	DOPort Red Pixel Data. In dual pixel output mode these pins are the ODD red outputs. In single pixel output mode these pins are not used.
DOR1	130	I/O SR5	
DOR2	129	I/O SR5	
DOR3	128	I/O SR5	
DOR4	127	I/O SR5	
DOR5	126	I/O SR5	
DOR6	125	I/O SR5	
DOR7	124	I/O SR5	
DOG0	121	I/O SR5	DOPort Green Pixel Data. In dual pixel output mode these pins are the ODD green outputs. In single pixel output mode these pins are not used.
DOG1	120	I/O SR5	
DOG2	119	I/O SR5	
DOG3	118	I/O SR5	
DOG4	117	I/O SR5	
DOG5	116	I/O SR5	
DOG6	115	I/O SR5	
DOG7	114	I/O SR5	
DOB0	113	I/O SR5	DOPort Blue Pixel Data. In dual pixel output mode these pins are the ODD blue outputs. In single pixel output mode these pins are not used.
DOB1	112	I/O SR5	

Signal	Pin	Type	Function
DOB2	111	I/O SR5	
DOB3	110	I/O SR5	
DOB4	109	I/O SR5	
DOB5	108	I/O SR5	
DOB6	100	I/O SR5	
DOB7	99	I/O SR5	
WR	195	I/O D5	Write Enable. Low indicates a write to external RAM or other devices.
RD	196	I/O D5	Read Enable. Low indicates a read to external RAM or other devices.
ROMOE	197	OS	ROM Output Enable. Low output indicates a read from external ROM.
ROMWE	198	OS	ROM Write Enable. Low indicates a write to external ROM.
CS0	199	I/O D5	Miscellaneous Chip Select 0. Low selects external devices.
CS1	200	I/O D5	Miscellaneous Chip Select 1. When EXTRAMEN=0, low selects external devices. Chip select for external RAM. When EXTRAMEN=1, low selects external RAM. (RAMCS)
NMI	194	ID 5	Non-Maskable Interrupt. A high input triggers a non-maskable interrupt to the on-chip microprocessor.
A1	193	I/O D5	Microprocessor address bus output bits (19:1).
A2	192	I/O D5	
A3	191	I/O D5	
A4	190	I/O D5	
A5	189	I/O D5	
A6	188	I/O D5	
A7	183	I/O D5	
A8	182	I/O D5	
A9	181	I/O D5	
A10	180	I/O D5	
A11	179	I/O D5	

Signal	Pin	Type	Function
A12	178	I/O D5	
A13	177	I/O D5	
A14	176	I/O D5	
A15	175	I/O D5	
A16	164	I/O D5	
A17	163	I/O D5	
A18	162	I/O D5	
A19	161	I/O D5	
D0	160	I/O D5	Microprocessor 16-bit bidirectional data bus.
D1	159	I/O D5	
D2	158	I/O D5	
D3	157	I/O D5	
D4	156	I/O D5	
D5	155	I/O D5	
D6	154	I/O D5	
D7	153	I/O D5	
D8	152	I/O D5	
D9	151	I/O D5	
D10	150	I/O D5	
D11	149	I/O D5	
D12	148	I/O D5	
D13	145	I/O D5	
D14	144	I/O D5	
D15	143	I/O D5	
PORTA0	208	I/O U5	General-purpose I/O port bit controlled by PADAT0 and PAEN0. This pin has one other possible function when EXTRAMEN=1. When EXTRAMEN=1 and PAEN0=0, PORTA1 is microprocessor address bit 0 (A0).

Signal	Pin	Type	Function
PORTA1	207	I/O U5	General-purpose I/O port bit controlled by PADAT1 and PAEN1. This pin has one other possible function when EXTRAMEN=1. When EXTRAMEN=1 and PAEN1=0, PORTA1 is microprocessor byte-high enable (BHEN)
PORTA2	206	I/O U5	General-purpose I/O port bit controlled by PADAT2 and PAEN2.
PORTA3	205	I/O U5	General-purpose I/O port bit controlled by PADAT3 and PAEN3. This pin can also function as an external clock source for DCLK (DCLKEXT) when both the internal PLLs are disabled or when DPLLBYP=1.
PORTA4	204	I/O U5	General-purpose I/O port bit controlled by PADAT4 and PAEN4. This pin has one other possible function when IREN=1. When IREN=1 and PAEN4=1, this pin can function as an input to the on-chip IR receiver 0. (IRRCVR0)
PORTA5	203	I/O U5	General-purpose I/O port bit controlled by PADAT5 and PAEN5. This pin has other possible functions depending on the IREN, EIEN registers. When EIEN=1 and PAEN5=1, this pin can function as an external interrupt to the on-chip CPU. When IREN=1 and PAEN5=1, this pin can function as an input to the on-chip IR receiver 1 (IRRCVR1). When DPLLBYP=1 and PAEN=0, this pin becomes the output of the DCLK PLL. This output can be routed through an external spread spectrum chip and then back into port A3 (DCLK input) to implement spread spectrum.
PORTA6	202	I/O U5	General-purpose I/O port bit controlled by PADAT6 and PAEN6. This pin has one other possible function when PREF1EN=1. When PREF1EN=1 and PAEN6=0, PORTA6 is a variable duty-cycle pulse reference generator (PWM) output controlled by PREF1HI and PREF1LO.
PORTA7	201	I/O D5	General-purpose I/O port bit controlled by PADAT7 and PAEN7. This pin has one other possible function when PREF0EN=1. When PREF0EN=1 and PAEN7=0, PORTA7 is a variable duty-cycle pulse reference generator (PWM) output controlled by PREF0HI and PREF0LO.
RXD	53	I/O U5	Serial Receive Data. RXD is the serial receive data for the on-chip serial port. This pin can also function as the 2-wire master data pin when 2WMEN=16.
TXD	54	I/O U5	Serial Transmit Data. TXD is the serial transmit data for the on-chip serial port. This pin can also function as the 2-wire master clock output pin when 2WMEN=16.
TESTEN	137	ID 5	Test Mode Enable. Connect to ground for normal operation.
RESET_N	132	BOD	Reset Output. RESET_N is a bidirectional pin that can be used to either drive external logic in the system or receive an external reset signal.
XI	169	I	Crystal Input. Connect to external crystal. XI can also function as the MCLK input LVTTL-level signal from an external oscillator.

Signal	Pin	Type	Function
XO	170	O	Crystal Output. Connect to external crystal.
VDD1	75, 95, 135, 146, 173, 184	P	1.8V digital core power.
VSS	76, 96, 136, 147, 174, 185	P	Digital core ground.
VDDQ3	68, 83, 104, 122, 133, 171, 186	P	3.3V digital I/O power.
VSSQ	69, 84, 105, 123, 134, 172, 187	P	Digital I/O ground.
VDDPA1	167	P	1.8V analog clock generator power.
VDDPA2	165	P	1.8V analog clock generator power.
VSSPA1	168	P	Clock generator analog ground.
VSSPA2	166	P	Clock generator analog ground.
PVD	22, 24, 26	P	1.8V PLL power.
PGND	21, 25, 27	P	PLL ground.
DVDD1	1, 3, 20	P	1.8V ADC digital power.
DGND1	2, 4, 19	P	ADC digital ground.
ALVDD	28, 29	P	1.8V ADC PLL power.
ALGND	30, 31	P	ADC PLL ground.
AVDD	6, 18, 32, 33, 36, 39, 41, 46, 48,	P	3.3V ADC analog power.

Signal	Pin	Type	Function
	52		
AGND	9, 12, 34, 35, 38, 40, 42, 45, 47, 49, 51	P	ADC analog ground.

4.4. M29W800AT

Low Voltage Single Supply Flash Memory to store PW1306 code.
ELECTRONIC SIGNATURE
– Manufacturer Code: 20h
– Top Device Code, M29W800AT: D7h

4.5. DS90C385

The DS90C385 transmitter converts 28 bits of LVCMOS/ LVTTL data into four LVDS (Low Voltage Differential Signaling) data streams. A phase-locked transmit clock is transmitted in parallel with the data streams over a fifth LVDS link. Every cycle of the transmit clock 28 bits of input data are sampled and transmitted. At a transmit clock frequency of 85 MHz, 24 bits of RGB data and 3 bits of LCD timing and control data (FPLINE, FPFRAME, DRDY) are transmitted at a rate of 595 Mbps per LVDS data channel. Using a 85 MHz clock, the data throughput is 297.5 Mbytes/sec.

- 20 to 85 MHz shift clock support
- Tx power consumption <130 mW (typ) @85MHz Grayscale
- Supports VGA, SVGA, XGA and Dual Pixel SXGA.
- Up to 2.38 Gbps throughput
- Up to 297.5 Megabytes/sec bandwidth
- PLL requires no external components
- Compatible with TIA/EIA-644 LVDS standard

4.6. P15V330

The PI5V330 is a true bidirectional Quad 2-channel multiplexer/demultiplexer that is for both RGB and composite video switching applications.

- 200 MHz bandwidth
- 3 Ohm on-resistance
- Switching at 10 ns
- 100 mA output current

4.7. 74HC4052

The 74HC/HCT4052 are dual 4-channel analog multiplexers/demultiplexers with common select logic. Each multiplexer has four independent inputs/outputs (nY0 to nY3) and a common input/output (nZ). The common channel select logics include two digital select inputs (S0 and S1) and an active LOW enable input (E).

- Wide analog input voltage range: ± 5 V.
- Low “ON” resistance:

80 Ohm (typ.) at VCC - VEE = 4.5 V
70 Ohm (typ.) at VCC - VEE = 6.0 V
60 Ohm (typ.) at VCC - VEE = 9.0 V

4.8. TA1366FG

TA1366FG is an Analog Y Cb Cr picture signal improver in a 24-pin SSOP plastic package. TA1366FG functions are controlled via I2C bus.

- YCbCr 2inputs
- Through mode (Y bandwidth: 0dB@30MHz)
- Y block
- Sharpness
- SRT (LTI)
- Y Group Delay Correction (Shoot balance)
- Color Detail Enhancer (CDE) and Noise Detection
- Cb/Cr block
- Color SRT (CTI)
- Green Stretcher

4.9. TDA7056A

The TDA7056A is a mono BTL output amplifier with DCvolume control. It is designed for use in TV and monitors.

- Mute mode, No switch-on and off clicks,
- Thermal protection,
- Short-circuit proof,
- ESD protected on all pins.

4.10. TDA1308

The TDA1308 is an integrated class AB stereo headphone driver contained in an SO8, DIP8 or a TSSOP8 plastic package.

- Wide temperature range
- No switch on/off clicks
- Low power consumption
- Short-circuit resistant

PIN	SYMBOL	DESCRIPTION	PIN VALUE
1	OUTA	Output A (Voltage swing)	Min : 0.75V, Max : 4.25V
2	INA(neg)	Inverting input A	Vo(clip) : Min : 1400mVrms
3	INA(pos)	Non-inverting input A	2.5V
4	V_{SS}	Negative supply	0V
5	INB(pos)	Non-inverting input B	2.5V
6	INB(neg)	Inverting input B	Vo(clip) : Min : 1400mVrms
7	OUTB	Output B (Voltage swing)	Min : 0.75V, Max : 4.25V
8	V_{DD}	Positive supply	5V, Min : 3.0V, Max : 7.0V

4.11. LM1117

The LM1117 is a series of low dropout voltage regulators with a dropout of 1.2V at 800mA of load current. The output voltage is adjusted according to the formula shown in Figure 9.

- Available in 1.8V, 2.5V, 2.85V, 3.3V, 5V, and Adjustable Versions
- Current Limiting and Thermal Protection
- Output Current 800mA
- Line Regulation 0.2% (Max)
- Load Regulation 0.4% (Max)
- Temperature Range
- LM1117 0°C to 125°C
- LM1117I -40°C to 125°C

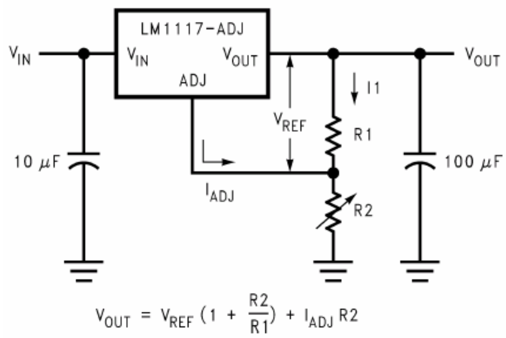
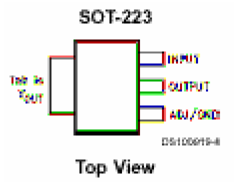
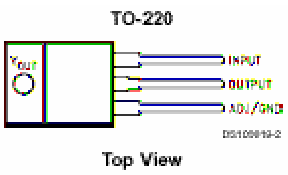
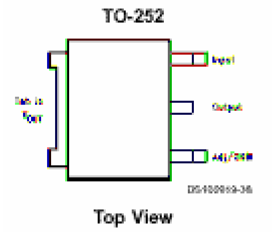


Figure 9: Basic adjustable regulator

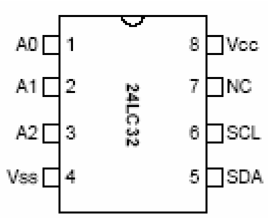






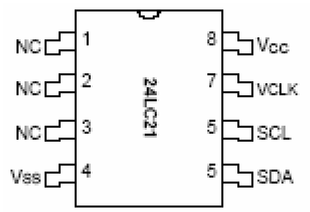
4.12. 24LC32

24LC32 is a 4K x 8 (32Kbit) Serial Electrically Erasable PROM capable of operation across a broad voltage range (2.5V to 6.0V).



4.13. 24LC21

24LC21 is a 128 x 8 bit Electrically Erasable PROM. This device is designed for use in applications requiring storage and serial transmission of configuration and control information.



4.14. 74LVC541

The 74LVC541A is an octal non-inverting buffer/line driver with 5 V tolerant inputs/outputs. The 3-state outputs are controlled by the output enable inputs OE1and OE2.

- 5 V tolerant inputs/outputs; for interfacing with 5 V logic
- Wide supply voltage range from 2.7 to 3.6 V
- CMOS low-power consumption
- Direct interface with TTL levels

INPUT			OUTPUT
OE1	OE2	An	Yn
L	L	L	L
L	L	H	H
X	H	X	Z
H	X	X	Z

Pin no	Symbol	Name and function
1	OE1	Output Enable Input
2, 3, 4, 5, 6, 7, 8, 9	A0 to A7	Data Inputs
11, 12, 13, 14, 15, 16, 17, 18	Y0 to Y7	Data Outputs
	2A1 to 2A4	Data Inputs
	1Y1 to 1Y4	Data Outputs
19	OE2	Output Enable Input
10	GND	Ground (0V)
20	VCC	Positive Supply Voltage

4.15. SAA3010T

The SAA3010 is intended as a general purpose (RC-5) infrared remote control system for use where a low voltage supply and a large debounce time are expected. The device can generate 2048 different commands and utilizes a keyboard with a single pole switch for each key. The commands are arranged so that 32 systems can be addressed, each system containing 64 different commands. The circuit response to legal (one key pressed at a time) and illegal (more than one key pressed at a time) keyboard operation is specified in the section “Keyboard operation”.

- Low voltage requirement
- Biphase transmission technique
- Single pin oscillator
- Test mode facility

Pin	Mnemonic	Function
1	X7 (IPU)	sense input from key matrix
2	SSM (I)	sense mode selection input
3	Z0-Z3 (IPU)	sense inputs from key matrix
7	MDATA (OP3)	generated output data modulated with 1/12 the oscillator frequency at a 25% duty factor
8	DATA (OP3)	generated output information
9-13	DR7-DR3 (ODN)	Scan drivers
14	VSS	Ground (0V)
15-17	DR-2-DR0 (ODN)	Scan drivers
18	OSC (I)	Oscillator input
19	TP2 (I)	test point 2
20	TP1 (I)	Test point 1
21-27	X0-X6 (IPU)	Sense inputs from key matrix
28	VDD(I)	Voltage supply

Note:

(I): Input,
(IPU): input with p-channel pull-up transistor,
(ODN): output with open drain n-channel transistor
(OD3): output 3-state

4.16. MC34167

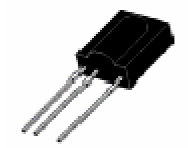
The MC34167, MC33167 series are high performance fixed frequency power switching regulators that contain the primary functions required for dc–to–dc converters. This series was specifically designed to be incorporated in step–down and voltage–inverting configurations with a minimum number of external components and can also be used cost effectively in step–up applications.
These devices consist of an internal temperature compensated reference, fixed frequency oscillator with on–chip timing components, latching pulse width modulator for single pulse metering, high gain error amplifier, and a high current output switch.
Protective features consist of cycle–by–cycle current limiting, under voltage lockout, and thermal shutdown. Also included is a low power standby mode that reduces power supply current to 36 mA.

- Output Switch Current in Excess of 5.0 A
- Fixed Frequency Oscillator (72 kHz) with On–Chip Timing
- Provides 5.05 V Output without External Resistor Divider
- Precision 2% Reference
- 0% to 95% Output Duty Cycle
- Cycle–by–Cycle Current Limiting
- Under voltage Lockout with Hysteresis
- Internal Thermal Shutdown
- Operation from 7.5 V to 40 V
- Standby Mode Reduces Power Supply Current to 36 mA
- Economical 5–Lead TO–220 Package with Two Optional Leadforms
- Also Available in Surface Mount D 2 PAK Package
- Moisture Sensitivity Level (MSL) Equals 1

4.17. TFMS5360

The TFMS5360 is a miniature receiver for infrared remote control systems.

- Photo detector and preamplifier in one.
- 36 KHZ
- Pin diode and preamp
- IR filter.



4.18. Board Connectors, Headers & Jumpers

4.18.1. Analog PC Connector (PL400)

Pin #	Logic	I/O	Signal Description	Impedance
1	Analog	I	Red Component	75Ω
2	Analog	I	Green Comp.	75Ω
3	Analog	I	Blue Comp.	75Ω
13	TTL	I	Horizontal Sync	
14	TTL	I	Vertical Sync	
12	TTL	I/O	I2C Data	
15	TTL	I	I2C Clock	
9	Power	I	+5V	
5,6,7,8,10	Ground			
4,11	No Connect			

4.18.2. Scart Connector (PL401)

Pin	Signal	Description	Signal level	Impedance
1	SCOR1	Audio output (right)	0.5V rms	<1kohm
2	SCIR1	Audio input (right)	0.5V rms	>10kohm
3	SCOL1	Audio output (left)	0.5V rms	<1kohm
4		Ground (audio)	-	-
5		Ground	-	-
6	SCIL1	Audio input (left)	0.5V rms	>10kohm
7	BIN	Blue input	0.7V	75ohms
8	STATAV1	Function select (AV control)		>10kohm
9		Ground	-	-
10		Not connected	-	-
11	GIN	Green input	0.7V	75ohms
12		Not connected	-	-
13		Ground (red)	-	-
14		Ground (blanking)	-	-
15	RIN	Red input or Chrominance input	0.7V / 0.3V	75ohms
16	FBLIN	RGB switching control	High (1-3V) - RGB Low (0-0.4V) - Composite	75ohms
17		Ground (video input & output)	-	-
18		Ground (RGB switching control)	-	-
19	CVBSO2	Video output (composite)	1V including sync	75ohms
20	Y1SCART	Video input (composite) or Luminance input	1V including sync	75ohms
21		Common ground (shield)	-	-

4.18.3. S-Video Connector (JK403)

Pin	Signal	Impedance
1	Ground	
2	Ground	
3	Luminance	75Ω
4	Chrominance	75Ω

4.18.4. LVDS Panel Connector(1x20 PL179)

Pin	Symbol	Description
1	NC	
2	LVDS_GND	Ground
3	TXOUT3+	LVDS Signal(+)
4	TXOUT3-	LVDS Signal(-)
5	LVDS_GND	Ground
6	TXCLKOUT0+	LVDS Signal(+)
7	TXCLKOUT0-	LVDS Signal(-)
8	LVDS_GND	Ground
9	TXOUT2+	LVDS Signal(+)
10	TXOUT2-	LVDS Signal(-)
11	LVDS_GND	Ground
12	TXOUT1+	LVDS Signal(+)
13	TXOUT1-	LVDS Signal(-)
14	LVDS_GND	Ground
15	TXOUT0+	LVDS Signal(+)

Pin	Symbol	Description
16	TXOUT0-	LVDS Signal(-)
17	LVDS_GND	Ground
18	LVDS_GND	Ground
19	VPP	Power Supply (+5 or +3.3V)
20	VPP	Power Supply (+5 or +3.3V)

4.18.5. TTL Panel Connector -Even (2x17 PL177)

Pin	Symbol	Description	Pin	Symbol	Description
1	DBE6	Blue	18	DGE2	Green
2	DBE7	Blue	19	GND	Ground
3	DBE4	Blue	20	DGE0	Green
4	DBE5	Blue	21	DRE6	Red
5	GND	Ground	22	DRE7	Red
6	DBE3	Blue	23	DRE4	Red
7	DBE1	Blue	24	DRE5	Red
8	DBE2	Blue	25	GND	Ground
9	GND	Ground	26	DRE3	Red
10	DBE0	Blue	27	DRE1	Red
11	DGE6	Green	28	DRE2	Red
12	DGE7	Green	29	DEN	
13	DGE4	Green	30	DRE0	Red
14	DGE5	Green	31	DHS	
15	GND	Ground	32	DVS	
16	DGE3	Green	33	DCLK	
17	DGE1	Green	34	DCLK	

4.18.6. TTL Panel Connector -Odd (2x17 PL178)

Pin	Symbol	Description	Pin	Symbol	Description
1	DBO7	Blue	18	DGO1	Green
2	DBO6	Blue	19	DGO0	Green
3	DBO5	Blue	20	GND	Ground
4	DBO4	Blue	21	DRO7	Red
5	GND	Ground	22	DRO6	Red
6	DBO3	Blue	23	DRO5	Red
7	DBO2	Blue	24	DRO4	Red
8	DBO1	Blue	25	GND	Ground
9	DBO0	Blue	26	DRO3	Red
10	GND	Ground	27	DRO2	Red
11	DGO7	Green	28	DRO1	Red
12	DGO6	Green	29	DRO0	Red
13	DGO5	Green	30	GND	Ground
14	DGO4	Green	31	VPP	Power Supply (+5 or +3.3V)
15	GND	Ground	32	VPP	Power Supply (+5 or +3.3V)
16	DGO3	Green	33	VPP	Power Supply (+5 or +3.3V)
17	DGO2	Green	34	VPP	Power Supply (+5 or +3.3V)

4.18.7. Panel Inverter Connector (1x11 PL176)

Pin	Symbol	Description	Pin	Symbol	Description
1,2,3	12V_INV	Inverter power supply	8	BKLON	
4	GND	Ground	9	GND	Ground
5	GND	Ground	10	PWMOUT	Brightness control
6,7	GND	Ground	11	GND	Ground

4.18.8. Keypad Card Connector (1x5 PL175)

Pin	Symbol	Pin	Symbol
1	Key1	6	Key3
2	Key2	7	Key4
3	GND	8	Key5
4	VCC5A (Analog +5V)	9	Key6
5	GND	10	Key7 or PWR_KEY

4.18.9. Optional Keypad Connector to UOC (1x2 PL 202)

Pin	Description
1	Data
2	Ground

4.18.10. LED & IR Receiver Connector (1x6 PL202)

Pin	Symbol	Description	Pin	Symbol	Description
1	ON/OFF or PWR_KEY		4	LED1	Led2 output
2	GND	Digital	5	IRRCVR	IR signal input
3	LED2	Led1 output	6	VCC5	Digital

4.18.11. Optional Rocker Sw. Connector (1x4 PL500)

Pin	Description
1,2	+12V External Power Supply In from JK500
3,4	Switched +12V

4.18.12. PROMJet Connector (2x25 PL101)

Pin	Symbol	Description	Pin	Symbol	Description
1,2	NC	Not connected	27-28	A[15-16]	Address
3	A[1]	Address	29-30	A[13-14]	Address
4	V3_3D	Digital 3.3V	31-32	A[11-12]	Address
5	GND		33-34	A[9-10]	Address
6	ROMOE	ROM output enable	35,36,37	NC	Not connected
7, 9, 11, 13	D[0-3]	Data	38	ROMWE	ROM write enable
8, 10, 12, 14	D[8-11]	Data	39	V3_3D	Digital 3.3V
15	V3_3D	Digital 3.3V	40,42	NC	Not connected
16, 18, 20, 22	D[4-7]	Data	41	A[19]	Address
17, 19, 21, 23	D[12-15]	Data	43-44	A[8],A[18]	Address
24	GND		45-46	A[6-7]	Address
25	V3_3D	Digital 3.3V	47-48	A[4-5]	Address
			49-50	A[2-3]	Address

4.18.13. Side HP Connector for Side-card Option (PL405)

Pin	Signal	Pin	Signal
1	Ground	4	HP-Left
2	HP-Right	5	Ground
3	Ground	6	HP switching signal HP_SW

4.18.14. Side AV Connector for Side-card Option (PL406)

Pin	Signal	Pin	Signal
1	Ground	4	Right Audio in
2	Left Audio in	5	Ground
3	Ground	6	CVBS in

4.18.15. Side SVHS Connector for Side-card Option (PL407)

Pin	Signal
1	Y-Luma
2	Ground
3	C-Chroma

6. SERVICE MENU SETTINGS

6.1. UOCIII Service Menu

- Turn on the TV.
- Press "Menu" (M) and "4" "7" "2" "5" buttons of RC respectively. The following menu will displayed on the screen.

GTV 3.2.1
000 EurAsia TVSub 05.01

00000000 00111100
01000000 01100100
11000101 01100100
00000000 01100100

- Enter register index number directly from RC or use P/CH + and P/CH – buttons in order to go any register setting.
- Press Volume + and Volume - buttons of RC in order to change the register value
- Press "TV" button from RC in order to turn the UOC service menu off.

6.1.1. UOCIII Service Menu Settings

- Check the following register values in the table from UOCIII Service Menu. Change them if they are not the same with the table below.

No:	Name:	Function:	Group:	Default:
0	EurAsia TVSub		GTV 3.2.1	05.01
1	Init TV	Sets the UOC default values and turns the tv to Stdby	GTV 3.2.1	0
2	ISP Mode	Sets the TV into ISP state.	GTV 3.2.1	0
3	DCXO	DCXO crystal alignment	Crystal alignment	70
4	DCXO Auto	Automatic DCXO frequency alignment. When it is set to 1; UOC automaticaly calculates DCXO values and writes it to item number 3.	Crystal alignment	0
5	Track. mode		Geometry	0
6	Rotation		Geometry	31
7	Hor. Shift		Geometry	32
8	HBL		Zoom	0
9	WBF		Zoom	4
10	WBR		Zoom	8
11	WSS	WSS (Wide Screen Siganling) enable	Zoom Options	1
12	Gld-SCART		Zoom Options	1
13	Col Fe	Color Saturation adjustment for RF input	Colour alignment	32
14	Col AV1	Color Saturation adjustment for Scart CVBS input	Colour alignment	32
15	Col AV1S		Colour alignment	32
16	Col AV2	Color Saturation adjustment for AV CVBS input	Colour alignment	32
17	Col AV2S	Color Saturation adjustment for for SVHS S-video input.	Colour alignment	32
18	BLOR		Colour alignment	32
19	BLOG		Colour alignment	32
20	RGB		Colour alignment	14
21	YSECAM	"Y delay" setting. (SECAM) (0-15)	Video	8
22	YNTSC	"Y delay" setting. (NTSC) (0-15)	Video	8
23	YPAL	"Y delay" setting. (PAL) (0-15)	Video	8
24	YAV1	"Y delay" setting. (SCART) (0-15)	Video	4
25	YAV2	"Y delay" setting. (FAV) (0-15)	Video	4
26	YSVHS1	"Y delay" setting. (0-15)	Video	4

No :	Name:	Function:	Group:	Default:
27	YSVHS2	“Y delay” setting. (S-Video) (0-15)	Video	4
28	ACL		Bit Control	0
29	MUS		Bit Control	0
30	PWL		Bit Control	8
31	CB		Bit Control	0
32	BPS		Bit Control	0
33	FCO		Bit Control	0
34	PeakFreqPAL443		Video	1
35	PeakFreqPALM		Video	1
36	PeakFreqPALN		Video	1
37	PeakFreqNTSC443		Video	1
38	PeakFreqNTSCM		Video	1
39	PeakFreqSECAM		Video	1
40	PeakFreqAV		Video	1
41	Blackstretch		Video options	1
42	Bluestretch		Video options	0
43	Whitestretch		Video options	0
44	Transfer Rato		Video Option	1
45	PeakRatioOvShot		Video	2
46	Tint NTSC		Video	31
47	OSO		Bit Control	0
48	FSL		Bit Control	0
49	HP2		Bit Control	0
50	SoftClipLevel		Bit Control	0
51	OP AUDIO CONFIG		Audio options	2
52	OP BILING		Audio options	1
53	OP HP		Audio options	1
54	OP EQUAL		Audio options	1
55	OP DOLBY		Audio options	0
56	OP TRUSUR		Audio options	0
57	OP DUB DBE		Audio options	0
58	OP BBE		Audio options	0
59	AVL-LEV	AVL level setting	Audio	1
60	AVL-WGT	AVL weight setting	Audio	1
61	AVL-MOD	AVL response time setting	Audio	3
62	AVLE	AVL enable/disable	Audio	1
63	LOUD-NA		Audio	5
64	LOUD-CH		Audio	1
65	BBE-CONT		Audio	7
66	BBE-PROC		Audio	7
67	OP CLIP		Audio	0
68	DEC-LEV	FM German Str. Prescale setting	Audio	23
69	MONO-LEV	FM Mono Prescale setting	Audio	23
70	NIC-LEV	Nicam Str. Prescale setting	Audio	17
71	ADC-AM-L	AM Mono Prescale setting	Audio	21
72	ADC-AV-L	Scart/Line in Prescale setting	Audio	18
73	BGSCAL DEC		Audio	0
74	BGSCAL MONO		Audio	0
75	BGSCAL NIC		Audio	0

No :	Name:	Function:	Group:	Default:
76	BGSCAL SAP		Audio	0
77	MSCAL DEC		Audio	0
78	MSCAL MONO		Audio	0
79	MSCAL NIC		Audio	0
80	MSCAL SAP		Audio	0
81	LSCAL DEC		Audio	0
82	LSCAL MONO		Audio	0
83	LSCAL NIC		Audio	0
84	LSCAL SAP		Audio	0
85	E2D		Audio	0
86	FFI		Audio	0
87	CMUTE		Audio	1
88	PA-BA-VO		Audio Preset	31
89	PA-TR-VO		Audio Preset	15
90	PA-LM-VO		Audio Preset	1
91	PA-ST-VO		Audio Preset	5
92	PA-LO-VO		Audio Preset	0
93	PA-B1-VO		Audio Preset	21
94	PA-B2-VO		Audio Preset	50
95	PA-B3-VO		Audio Preset	55
96	PA-B4-VO		Audio Preset	45
97	PA-B5-VO		Audio Preset	34
98	PA-BA-MU		Audio Preset	34
99	PA-TR-MU		Audio Preset	39
100	PA-LM-MU		Audio Preset	1
101	PA-ST-MU		Audio Preset	5
102	PA-LO-MU		Audio Preset	1
103	PA-B1-MU		Audio Preset	52
104	PA-B2-MU		Audio Preset	47
105	PA-B3-MU		Audio Preset	29
106	PA-B4-MU		Audio Preset	29
107	PA-B5-MU		Audio Preset	45
108	PA-BA-TH		Audio Preset	36
109	PA-TR-TH		Audio Preset	34
110	PA-LM-TH		Audio Preset	1
111	PA-ST-TH		Audio Preset	5
112	PA-LO-TH		Audio Preset	0
113	PA-B1-TH		Audio Preset	47
114	PA-B2-TH		Audio Preset	45
115	PA-B3-TH		Audio Preset	42
116	PA-B4-TH		Audio Preset	45
117	PA-B5-TH		Audio Preset	42
118	AGC Speed	AGC speed setting	Tuning	1
119	AGC Take over	AGC setting	Tuning	27
120	OIF	IF Demodulator OffSet	Tuning	32
121	IF	IF Frequency	Tuning	2
122	SVO		Bit Control	0
123	GD		Bit Control	1
124	BPB		Source Switching	0

No :	Name:	Function:	Group:	Default:
125	BPB2		Source Switching	0
126	RGB-IN		Source Switching	1
127	DVD1-IN		Source Switching	0
128	AV2-IN		Source Switching	1
129	DVD2-IN		Source Switching	0
130	AV1S-IN		Source Switching	0
131	AV1D-IN		Source Switching	0
132	AV2S-IN		Source Switching	1
133	CBVS-OUT		Source Switching	1
134	INCL-AV		Source Switching	0
135	TXT-ON		Teletext options	1
136	TXT-SPLIT		Teletext options	1
137	TXT-H-POS		Teletext options	11
138	TIM-REM		Timer options	1
139	TIM-SLP		Timer options	1
140	TIM-SW		Timer options	1
141	TIM-OFF		Timer options	1
142	TIM-SKP		Timer options	1
143	TIM-RT		Timer options	1
144	FM Radio		FM Radio options	1
145	PWR-SAVING		Power options	1
146	PWR-PERF		Power options	3
147	PWR-REST		Power options	0
148	PWR-ONKEY		Power options	1
149	Factory Mode		GTV 3.2.1	0
150	CombFil	Combfilter enable/disable	Video options	1
151	BlueBlackNoMute		Video options	0
152	ATS		Installation opt.	1
153	EVG		Bit Control	0
154	DFL		Bit Control	0
155	XDT		Bit Control	0
156	AKB		Bit Control	1
157	OSVE		Bit Control	0
158	CL		Colour alignment	10
159	LCD-BRT	UOC Brightness	Sub System	36
160	LCD-CON	UOC Contrast	Sub System	32
161	LCD-CON-FE	RF frontend contrast adjust.	Sub System	30
162	LCD-CON-AV1	Scart CVBS contrast adjust.	Sub System	32
163	LCD-CON-AV1S		Sub System	32
164	LCD-CON-AV2	AV CVBS contrast adjust.	Sub System	32
165	LCD-CON-AV2S	S-Video input contrast adjust.	Sub System	32
166	RBL		Sub System	0
167	EGL		Sub System	0
168	LPG		Sub System	1
169	PGR	UOC Red Contrast	Sub System	32
170	PGG-CVBS	UOC Green Contrast for CVBS input	Sub System	32
171	PGG-RGB	UOC Green Contrast for RGB input	Sub System	34
172	PGB	UOC Blue Contrast	Sub System	32

6.1.2. Tuner AGC Alignment

In this part, tuner AGC alignment procedure is described.
A TV pattern generator with RF output and volt-meter are needed for this alignment.

Test Set-up

"NICAM Stereo" and 60 dB PAL B/G RF signal from pattern generator will be applied. Frequency must be set to 224.25 MHz.

- Turn on the TV and measure the AGC voltage from Tuner Pin1 without plugging in any RF input (Around 4.12V).
- Apply "NICAM Stereo" and 60 dB(1 mV) PAL B/G RF signal to the tuner input.
- Enter UOC service menu (as described above), and go to "AGC Take over" setting by pressing "1" "1" "8".
- Measure AGC voltage from Tuner Pin1. By pressing Volume +/-; adjust AGC voltage so that the measured value at this step should be 0,5V less than the value measured at first step (Around 3.5V).

6.1.3. DCXO Alignment

If this alignment has not properly been done, some front end RF problems can be observed such as Nicam stereo / mono sound switching, low RF reception and color separation performance.

Test Set-up

This alignment will be performed just after Tuner AGC Alignment. Apply "NICAM Stereo" and 60 dB PAL B/G RF signal from pattern generator. Frequency must be set to 224.25 MHz.

- Turn on the TV.
- Enter UOC service menu (as described above), and go to "DCXO Auto" setting.
- Set "DCXO Auto" value to "1" by pressing "Volume +".
- TV will automatically align the DCXO (Digital Controlled Xtal Oscillator) value.
- Then TV automatically re-sets "DCXO Auto" value to "0". This indicates that DCXO Alignment successfully completed.

6.2. PW1306 Service Menu

- In order to work with PW service menu:
- Press "Menu" (M) and "4" "7" "2" "6" buttons of RC respectively.
- Make the desired settings.
- Press "Menu" (M) from RC to turn off the PW Service menu
- The menu has the following structure:

Service Menu

Service Submenu1		Service Submenu2		Service Submenu3	
Dclock Polarity	Falling	Init NVM		Country	***
UOC Hposition	*	Initial APS	Off	Language	***
ADC_Calibration		Hotel Mode Activate		Pannel Type	LG17WXGA_V3
UOC_Calibration		Burn-In Mode	Off-on	Menu Background	Opaque
**			Off-on	Remote Control	***
				Pc Mode	Off-on
				Swap RGB Mode	Off-on

*	This value indicetes the horisontal positioning of the picture.
**	In this row "Software version and date is mentioned"
***	These will be changed according to the DI.

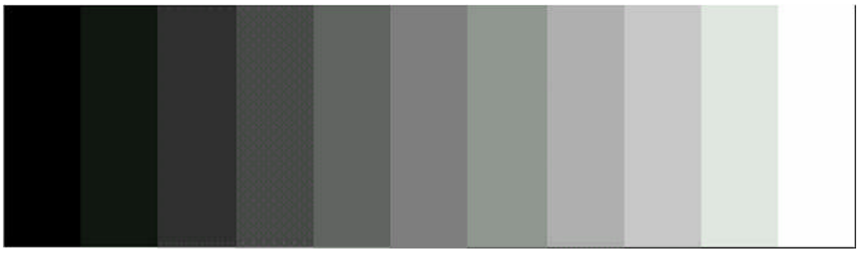
- It is possible to move by using "UP", "DOWN", "LEFT" and "RIGHT" RC buttons in this menu structure.

6.2.1. UOC Horizontal Position

- Press "DOWN" RC button at "Service Submenu 1" to highlight "UOC Hposition"
- Set the proper value to fit the applied pattern to screen by using "LEFT" and "RIGHT" buttons.

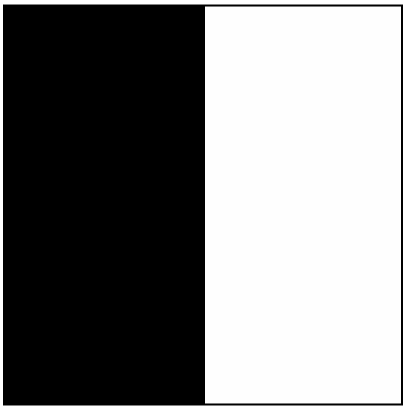
6.2.2. UOC Calibration

- Apply 11 Vertical bar Grey-scale pattern with black on the left and white on the right side of the picture(as seen below) from CVBS input.
- Press RC "AV" button, and switch to CVBS input and observe the pattern applied.
- Enter to PW1306 service menu.
- Press RC "DOWN" button at "Service Submenu 1" and highlight "UOC Calibration".
- Press RC "RIGHT" button to start calibration.



6.2.3. PW1306 PC Input ADC Calibration

- Connect your TV with your PC and press RC "PC" button and observe the image.
- Press "M" to display Menu and select "Options" by using right button of RC.
- Press "Down" button of the RC and activate "auto adjustment".
- Press right button of the RC to perform "auto adjustment" and press "M" to exit from Menu.
- Apply black on the left, white on the right(as seen below) XGA@60Hz (1024x768) pattern from PC.
- Enter PW1306 service menu as described above.
- Press RC "DOWN" button at "Service Submenu 1" and highlight "ADC Calibration".
- Press RC "RIGHT" button to start calibration.



6.2.4. Init NVM

- Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
- Press RC “DOWN” button and highlight “”Init NVM”
- Press RC “RIGHT” button to set TV to initial settings. Next time TV is turned on, default settings will be loaded to TV.

6.2.5. Initial APS

- Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
- Press RC “DOWN” button and highlight “”Initial APS”

Press RC “RIGHT” and “LEFT” buttons to set Initial APS to “on” or “off”.(When Initial APS is set to “on” TV will display “Initial APS” menu at first time it is turned on)

6.2.6. Hotel Mode Activate

Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
Press RC “RIGHT” button at “Service Submenu 2” and switch to “Service Submenu 3”
Press RC “DOWN” button and highlight ”Hotel Mode Activate”
Press RC “RIGHT” and “LEFT” buttons to set the option between off and on.

6.2.7. Burn-In Mode

Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
Press RC “RIGHT” button at “Service Submenu 2” and switch to “Service Submenu 3”
Press RC “DOWN” button and highlight ”Burn-In Mode”
Press RC “RIGHT” and “LEFT” buttons to set the option between off and on.

6.2.8. Country

- Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
- Press RC “RIGHT” button at “Service Submenu 2” and switch to “Service Submenu 3”
- Press RC “DOWN” button and highlight ”Country”
- Press RC “RIGHT” and “LEFT” buttons to set the desired country option.

6.2.9. Language

- Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
- Press RC “RIGHT” button at “Service Submenu 2” and switch to “Service Submenu 3”
- Press RC “DOWN” button and highlight ”Language”
- Press RC “RIGHT” and “LEFT” buttons to set the desired language option.

6.2.10. Menu Background

- Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
- Press RC “RIGHT” button at “Service Submenu 2” and switch to “Service Submenu 3”
- Press RC “DOWN” button and highlight “Menu Background”.
- Press RC “RIGHT” and “LEFT” buttons to set menu background to “opaque” or translucent.

6.2.11. Remote Control

- Press RC “RIGHT” button at “Service Submenu 1” and switch to “Service Submenu 2”
- Press RC “RIGHT” button at “Service Submenu 2” and switch to “Service Submenu 3”
- Press RC “DOWN” button and highlight ”Remote Control”
- Press RC “RIGHT” and “LEFT” buttons to set the desired remote control option.

6.3. Panel Type Change Shortcut

As 17MB18 software supports from 14” to 23” panel types, it is possible not to see anything on the screen after Init NVM as the default panel type is 23” in the software. That s why, a hidden menu is needed to change supported panel from a hidden menu which is not shown on the screen.

In order to work with PW panel type selection shortcut service menu:

- Press “Menu” (M) and “4” ”7” “2” “7” buttons of RC respectively. (Caution! No visual menu will appear on the screen)
- Press individual panel type selection digit to select the panel (see below table).
- Turn off the TV from RC.

When the TV turns on again, it will come with new panel settings.

Hidden Menu Panel types:

Panel type selection digit	Panel
0	15” Samsung
1	20” CMO
2	17” LG
4	15”AU
5	15”QDI
6	20”AU
7	20”AU_V4
8	14”AU
9	17”LG_V4

7. PRODUCTION SETTINGS AND FACTORY DEFAULTS

7.1. Production Schedule

- UOCIII Programming before test Jig

Settings that will be performed on the Test Jig.

- Tuner AGC Alignement (Section 4.1.2).
- DCXO Alignement (Section 4.1.3)
- UOC Calibration (Section 4.2.2)
- PW1306 PC Input ADC Calibration (Section 4.2.3)

Settings that will be performed on the Production Band
DDC programming.

7.2. EEPROM Settings

7.2.1. Creating Master EEPROM

- Load the new SW version to the TV.
- Place empty EEPROM to IC101 position of the mainboard.
- Turn on the TV.SW will automatically assign the initial values to the EEPROM.
- Adjust the settings of Service Menu and User Menu.
- This EEPROM can be used as Master EEPROM.

7.2.2. Creating Mass Production EEPROM

- The Master EEPROM prepared like above is copied and multiplied to use in mass production.
- The copy EEPROM is placed on IC 101 of 17MB18. (When TV is turned on the software will realise that EEPROM is not empty, so SW will not change the values in the EEPROM.)

7.3. TV Menu

7.3.1. Picture Menu

Picture	
brightness	*
contrast	*
filter	sharp
sharpness	51
color	64
Tint	*xx*

* Brightness and contrast values will be left unchanged after the UOC Calibration.
xx Tint value is determined automatically by software and is active in only NTSC channels. So there is no need to adjust any value in this section.

7.3.2. Audio Menu

Audio		
volume	29	

balance	49				
AVL	On				
extended audio features					
Feature		headphone		equalizer	
effect	normal	volume	10	**	
sound style	user	balance	49		

** Will be left unchanged as they are adjusted in the EEPROM.

7.3.3. Window Menu

Window	
image size	auto
white tone	normal
dynamic skin tone	off

7.3.4. Options Menu

Options	
menu background	opaque
Language	***
room lighting	bright
sleep time	0
child lock	off

*** Will be changed according to the DI.

7.3.5. Settings Menu

Installation				
	Channel Setup		APS	
	program number	****	country	***
	program name	****	aps	
	manual search	****		
	standard	Auto		
	store	****		
	frequency	****		
	fine tuning	****		
	program skip	Off		
teletext language	Europe			
teletext region	West			

**** Will change according to the user and the country it is used.

7.4. PC Mode Menu

7.4.1. Picture Menu

Picture	
brightness	*
contrast	*
filter	Sharp
phase	**
frequency	50

* Brightness and contrast values will be left unchanged after the UOC Calibration

** Phase value is automatically set by the software. There is no need to adjust any value in this section.

7.4.2. Audio Menü

Audio					
volume	29				
balance	49				
AVL	on				
extended audio features					
	Feature		headphone		Equilizer
	Effect	normal	volume	10	***
	sound style	user	balance	49	

*** Will be left unchanged as they are adjusted in the EEPROM.

7.4.3. Window Menu

Window	
H-Position	50
V-Position	50

7.4.4. Options Menü

Options	
menu background	opaque
Language	****
room lighting	normal
auto adjustment	
child lock	off

**** Will be changed according to the DI.

Service Submenu 3 and Service Submenu 4 are named as Factory Settings 1 and Factory Settings 2 in the Service menu.

To activate the Factory Settings menu you should follow the steps below.

- Press the Menu key at the remote controller.
- Enter the valid access code while menu OSD is on the screen.

Valid access code = the digits “4”,”7”,”2”,”9” consecutively at the rc unit.

After activating the Factory settings , following message is displayed.

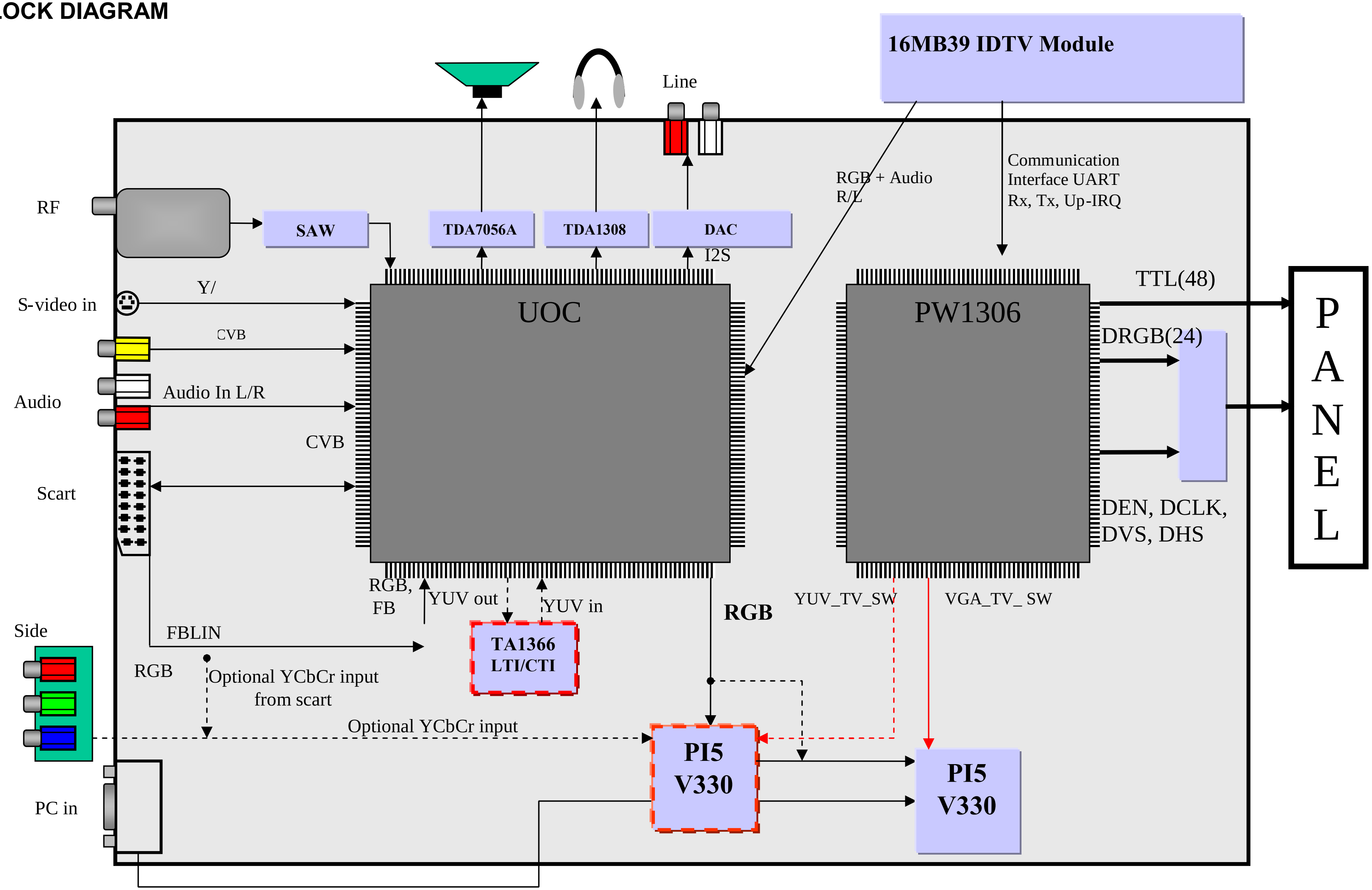
Factory Settings

OK

The items Language and Country in the Factory Settings 1 menu can be activated, and their effects can be seen after this process only.

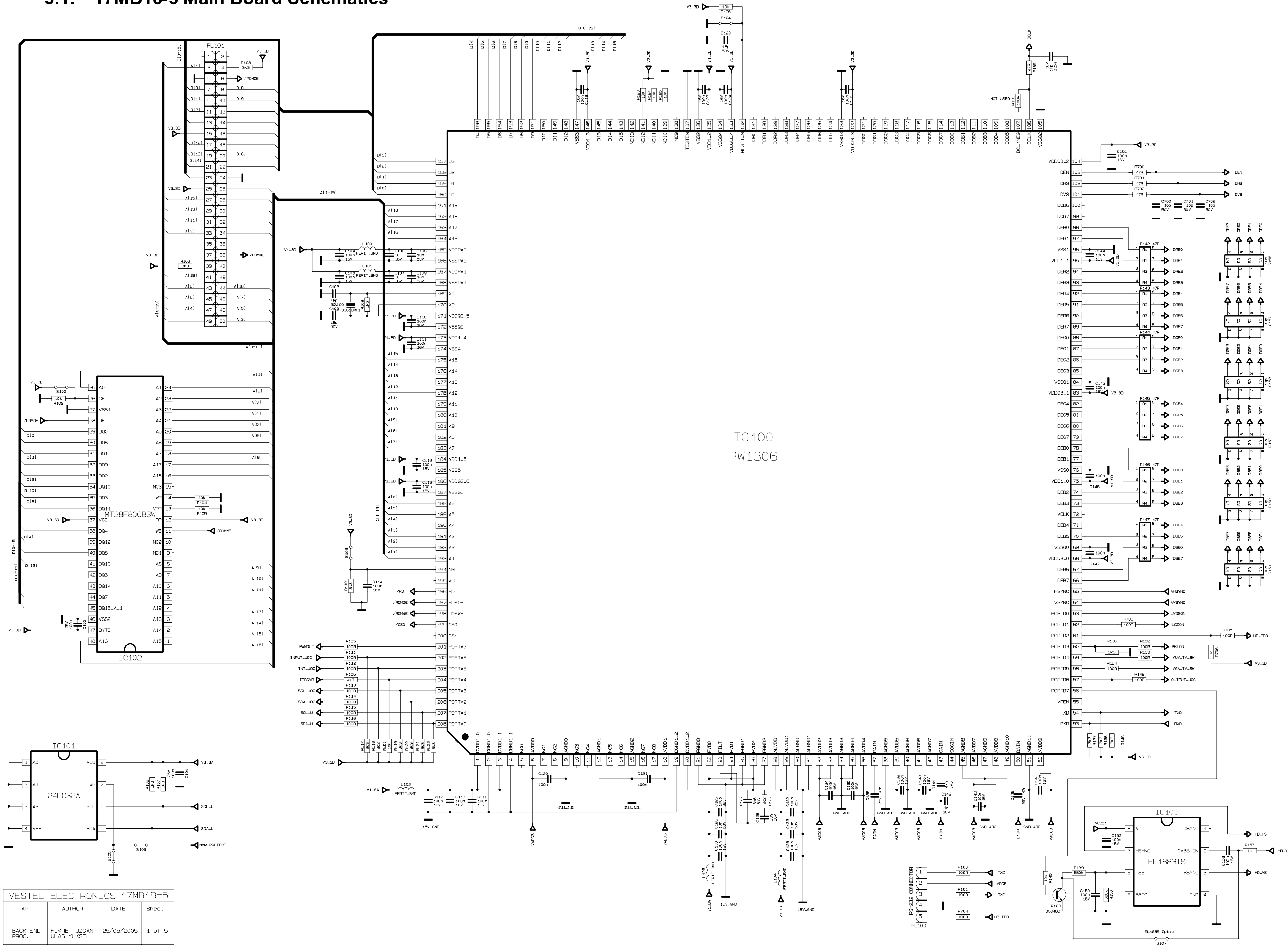
Also the items in the Picture , Audio, Feature menus of the TV are set to their default values that are stored in the eprom.

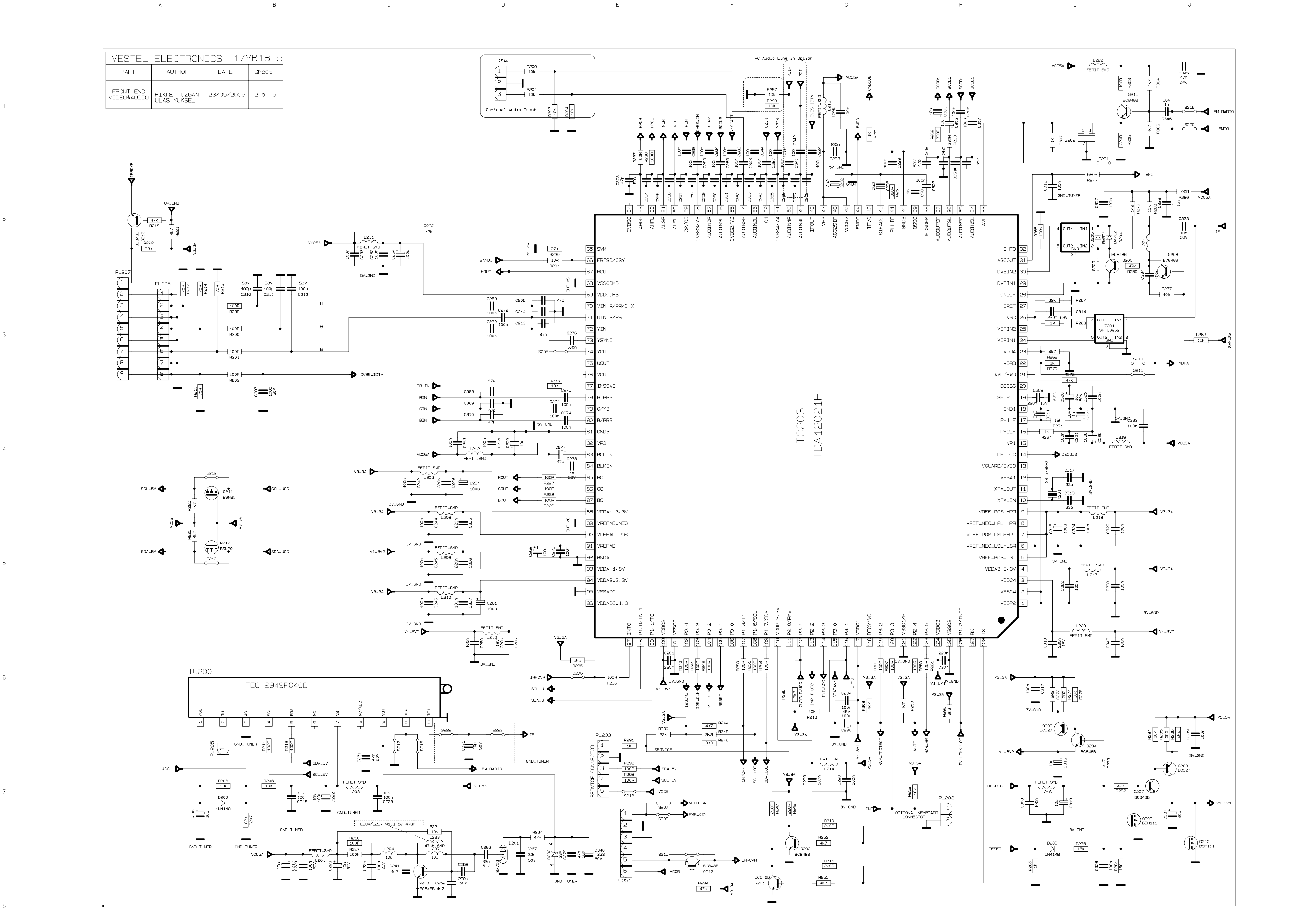
8. BLOCK DIAGRAM

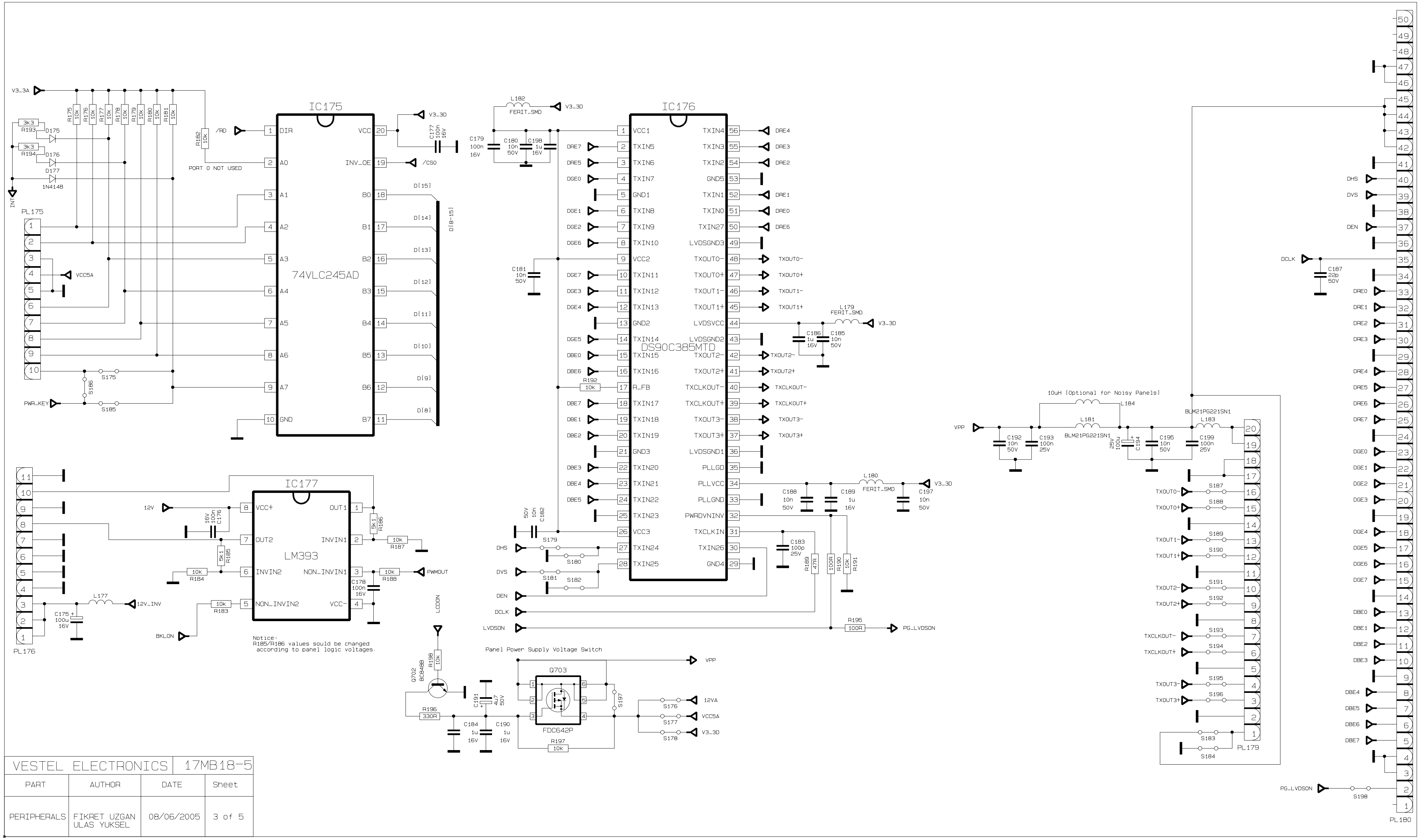


9. CIRCUIT DIAGRAMS

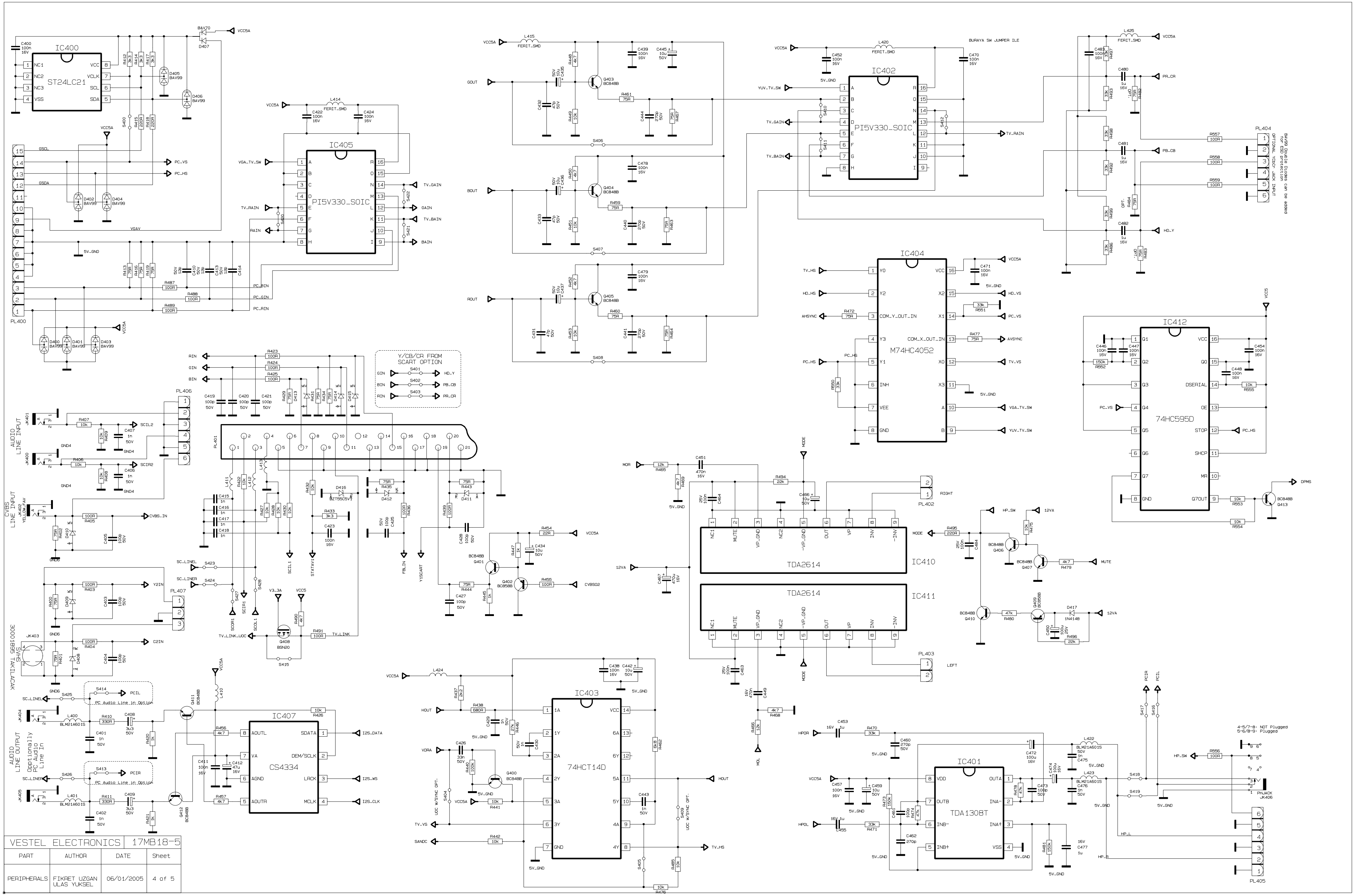
9.1. 17MB18-5 Main Board Schematics



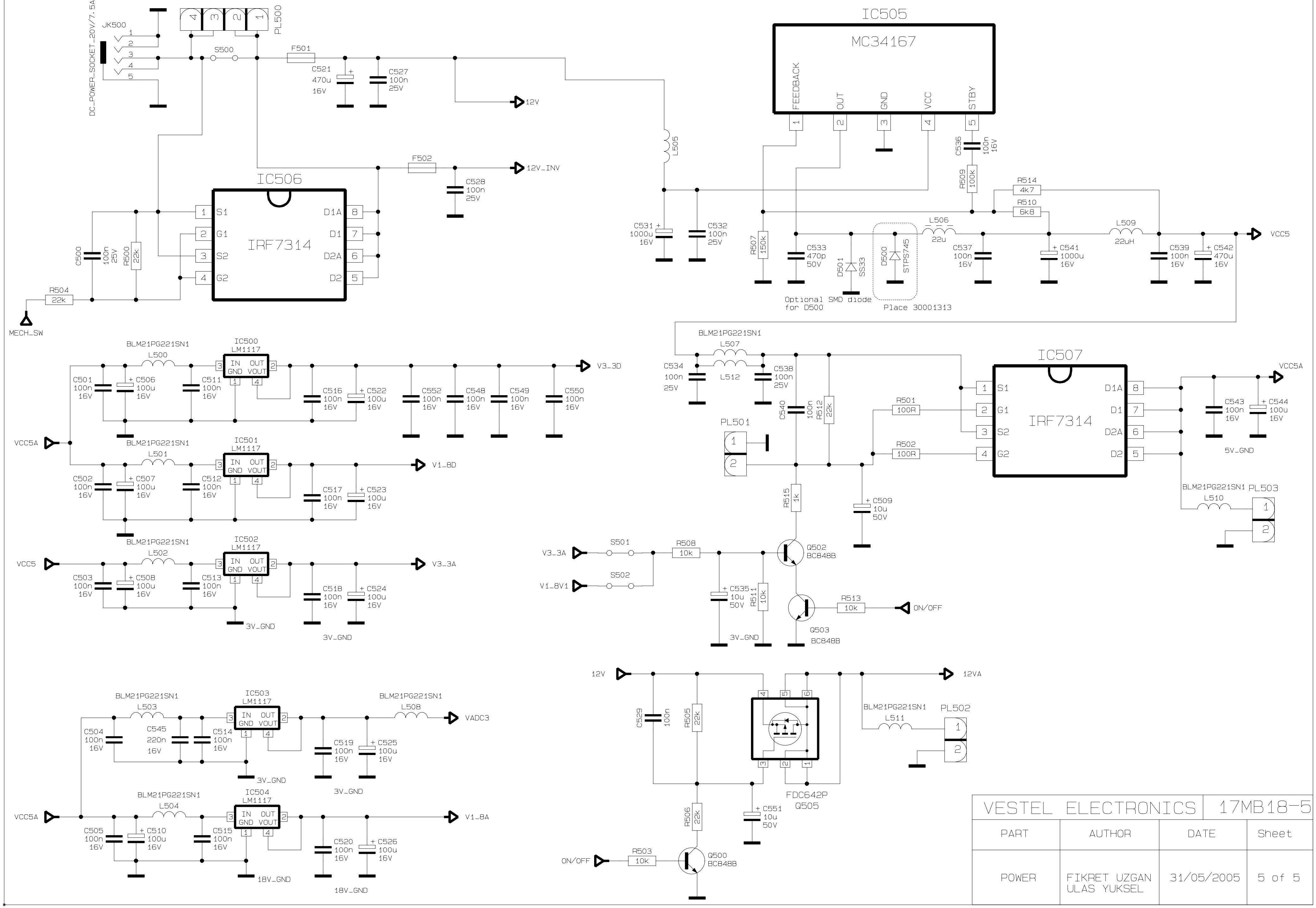

VESTEL ELECTRONICS
17MB18-5
PART
AUTHOR
DATE
Sheet
FRONT END VIDEO&AUDIO
FIKRET UZGAN ULAS YUKSEL
23/05/2005
2 of 5
IC203
TDA12021H
TU200
TECH2949PG40B
PL204
Optional Audio Input
PC Audio Line in Option
SERVICE CONNECTOR
OPTIONAL KEYBOARD CONNECTOR
L204/L207 will be 47uF



IC175
74VLC245AD
IC176
DS90C385MTD
IC177
LM393
PORT 0 NOT USED
Notice:
R185/R186 values sould be changed
according to panel logic voltages.
Panel Power Supply Voltage Switch
Q703
FDC642P
Q702
BC848B
10uH [Optional for Noisy Panels]
BLM21PG221SN1
PL175
PL176
PL179
PL180
VESTEL ELECTRONICS
17MB18-5
PART
AUTHOR
DATE
Sheet
PERIPHERALS
FIKRET UZGAN
ULAS YUKSEL
08/06/2005
3 of 5

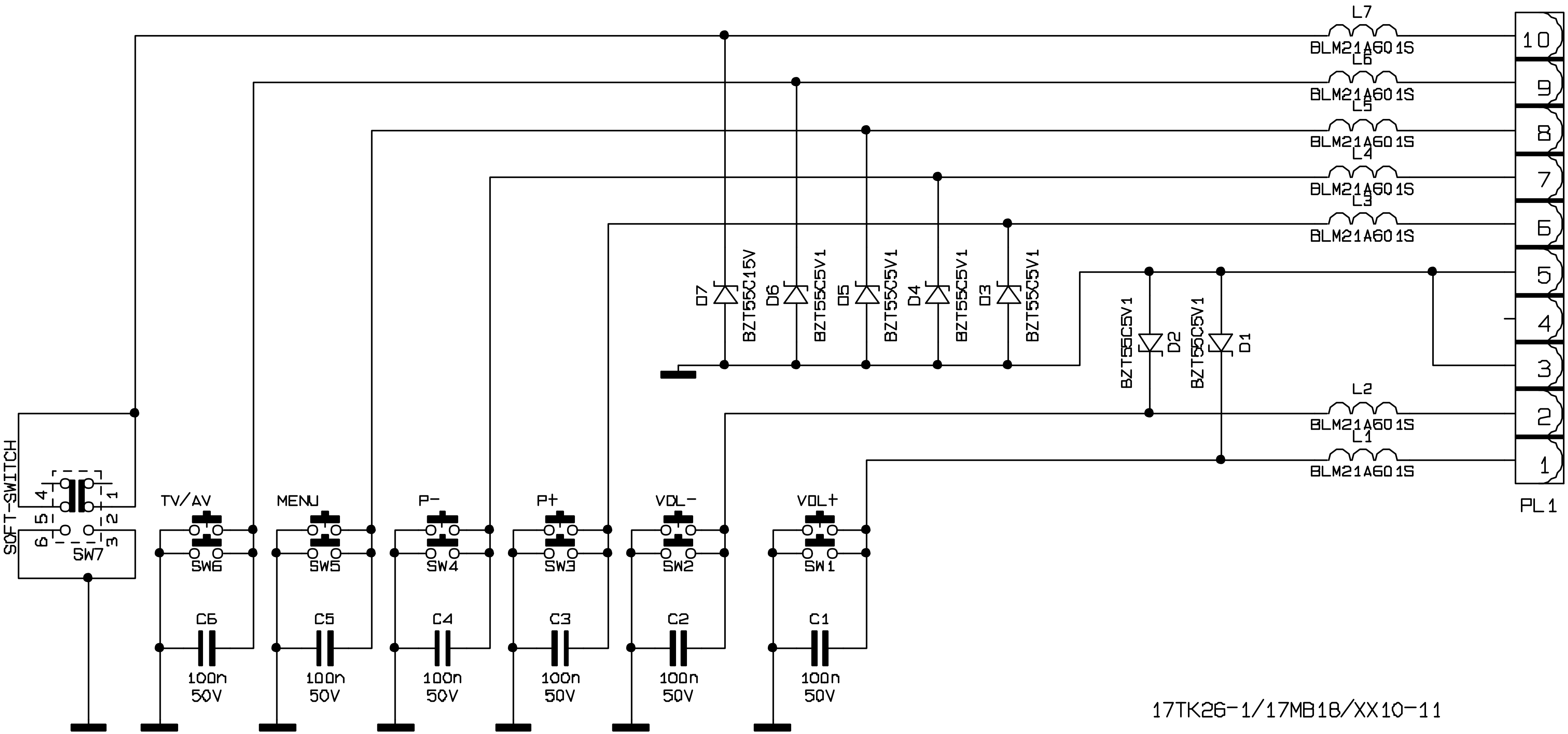


IC400 ST24LC21
IC405 PI5V330_SOIC
IC402 PI5V330_SOIC
IC404 M74HC4052
IC412 74HC595D
IC410 TDA2614
IC411 TDA2614
IC407 CS4334
IC403 74HCT14D
IC401 TDA1308T
Y/CB/CR FROM SCART OPTION
BURAYA SW JUMPER ILE
AUDIO LINE INPUT
CVBS LINE INPUT
AUDIO LINE OUTPUT Optionally PC Audio Line In
PC Audio Line in Option
4-5/7-8: NOT Plugged
5-6/8-9: Plugged
VESTEL ELECTRONICS
17MB18-5
PART
AUTHOR
DATE
Sheet
PERIPHERALS
FIKRET UZGAN
ULAS YUKSEL
06/01/2005
4 of 5



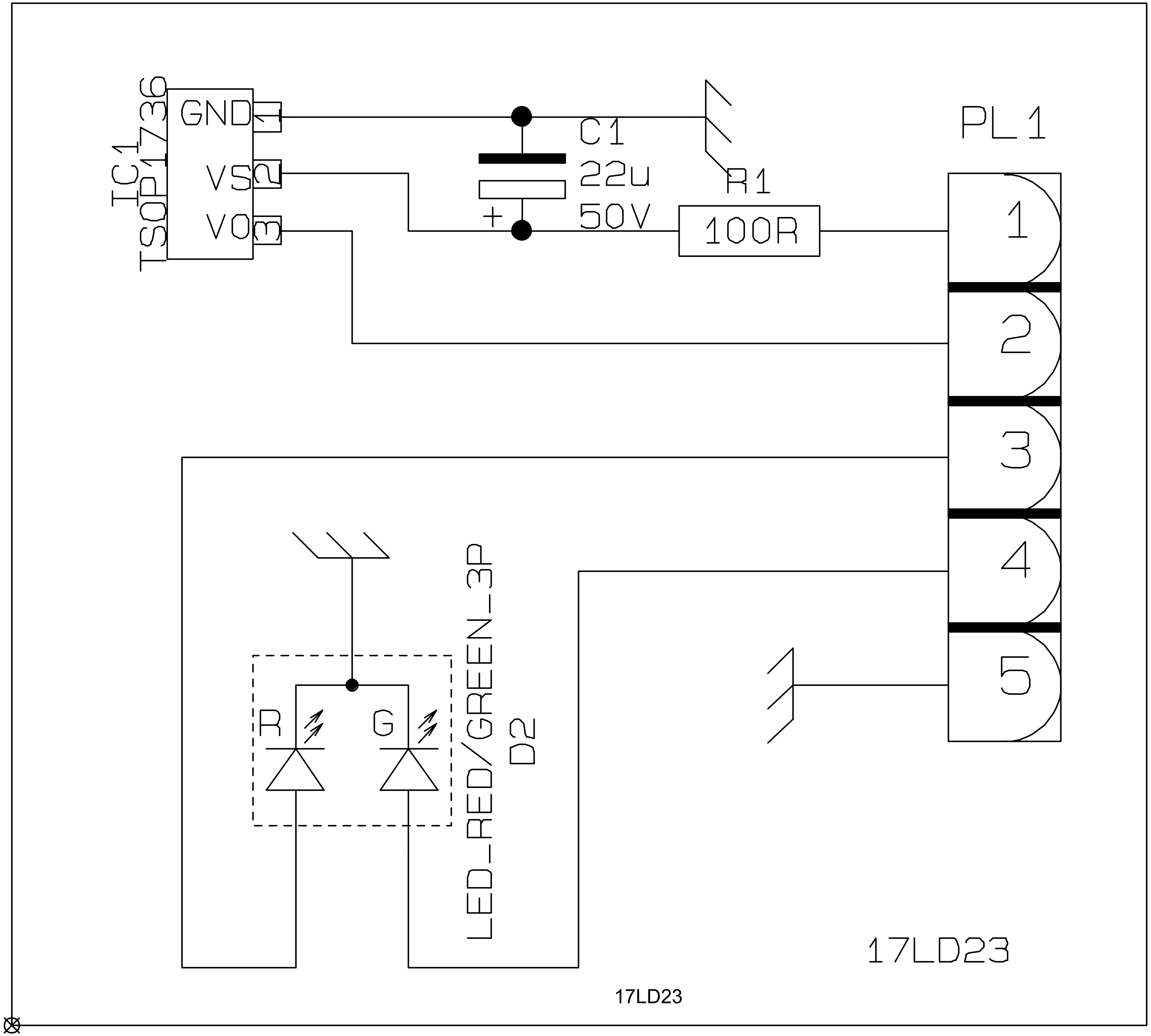
VESTEL ELECTRONICS			17MB18-5
PART	AUTHOR	DATE	Sheet
POWER	FIKRET UZGAN ULAS YUKSEL	31/05/2005	5 of 5

9.2. Keypad Schematics

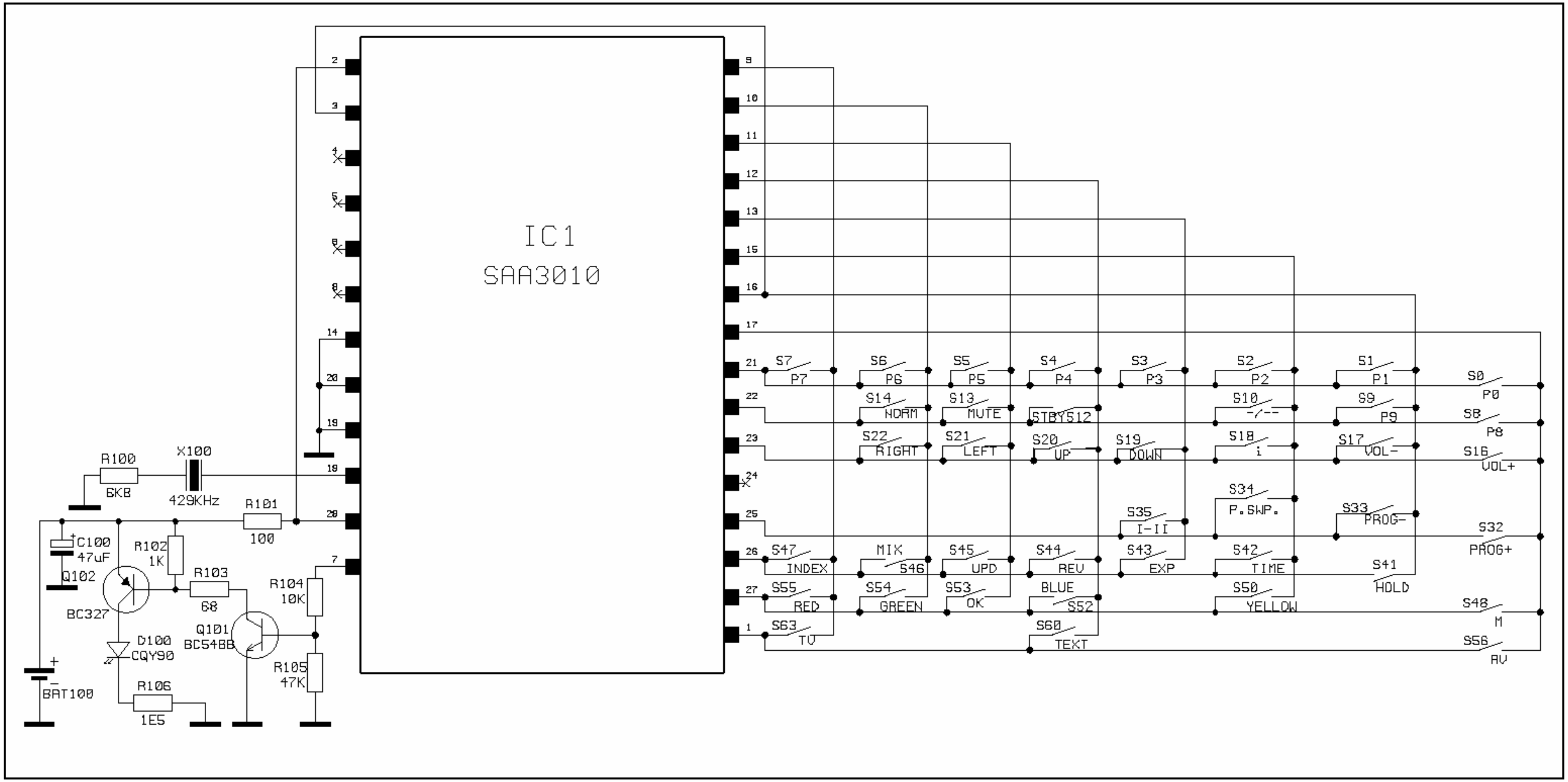


17TK26

9.3. IR&LED Board Schematics

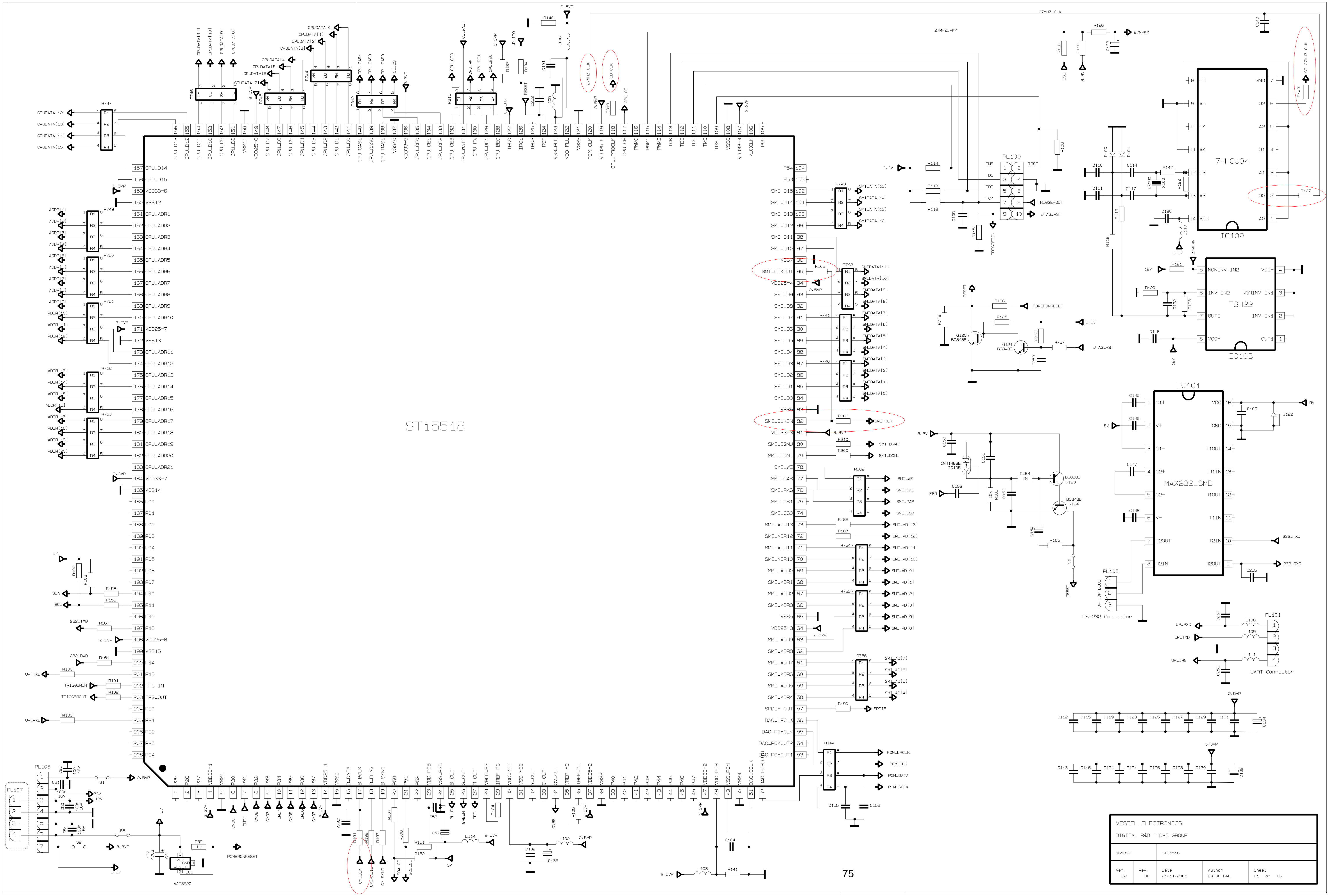


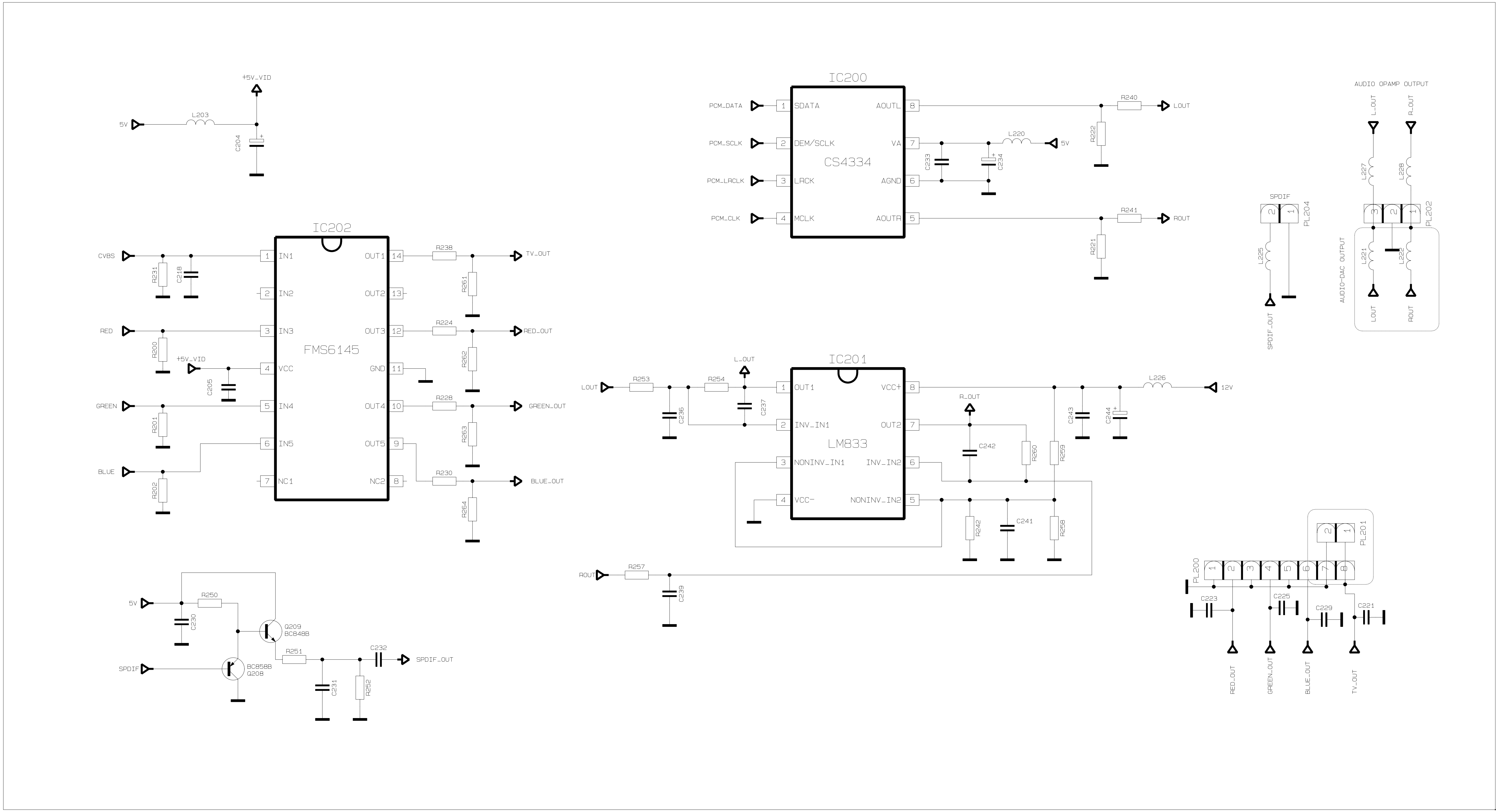
9.4. Remote Controller Schematics



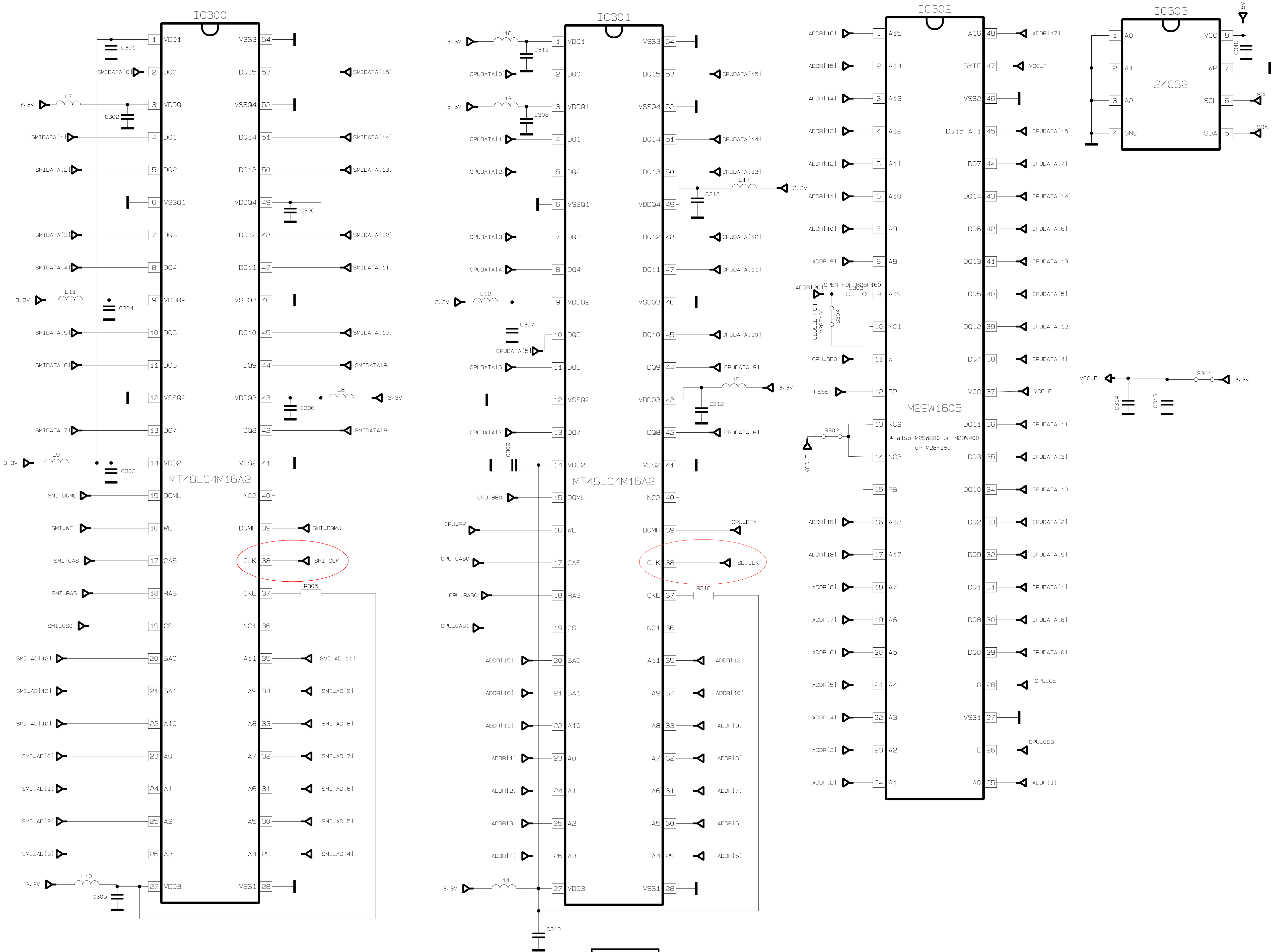
11UK10-2

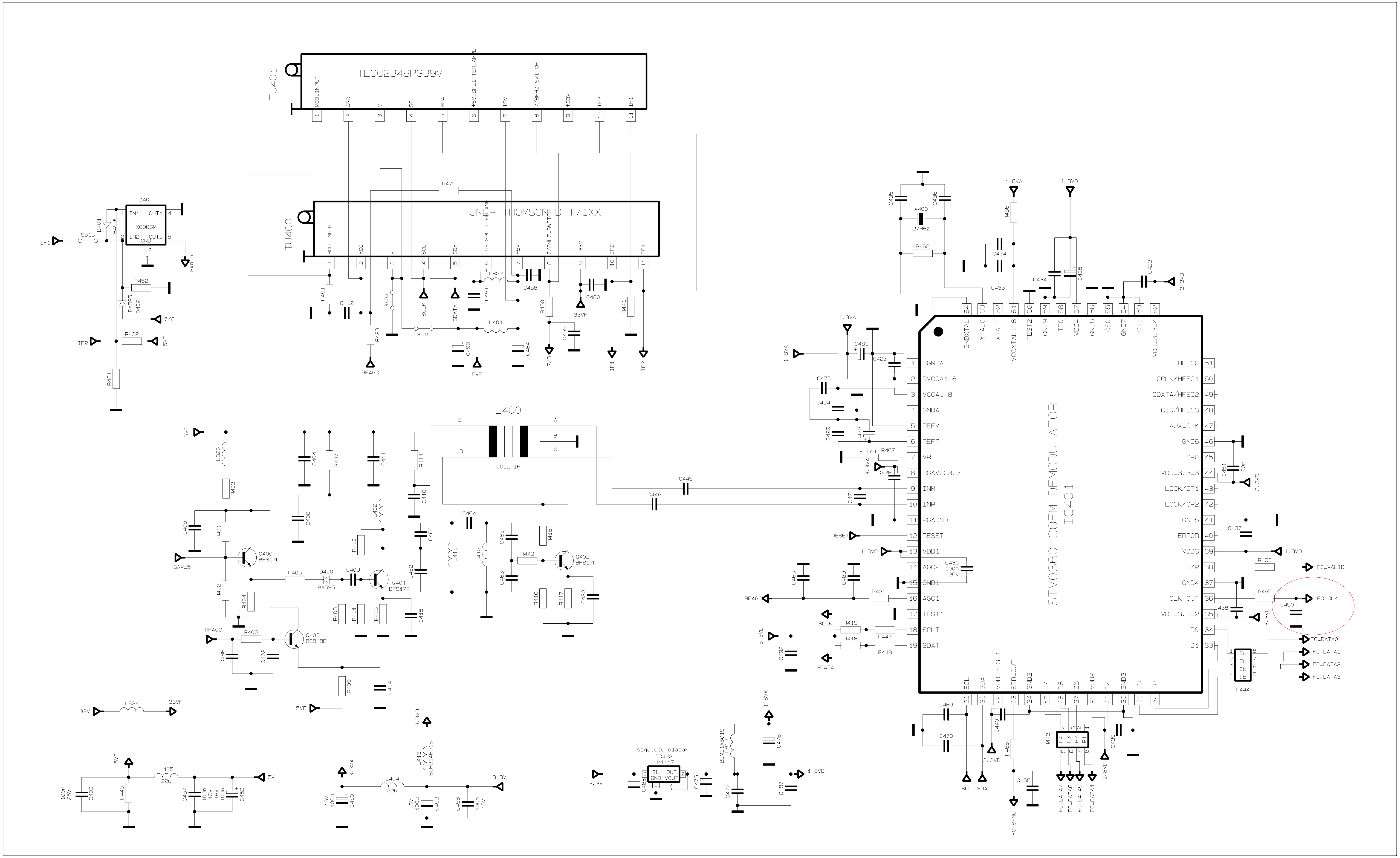
9.6 DIGITAL MODULE SCHEMATIC

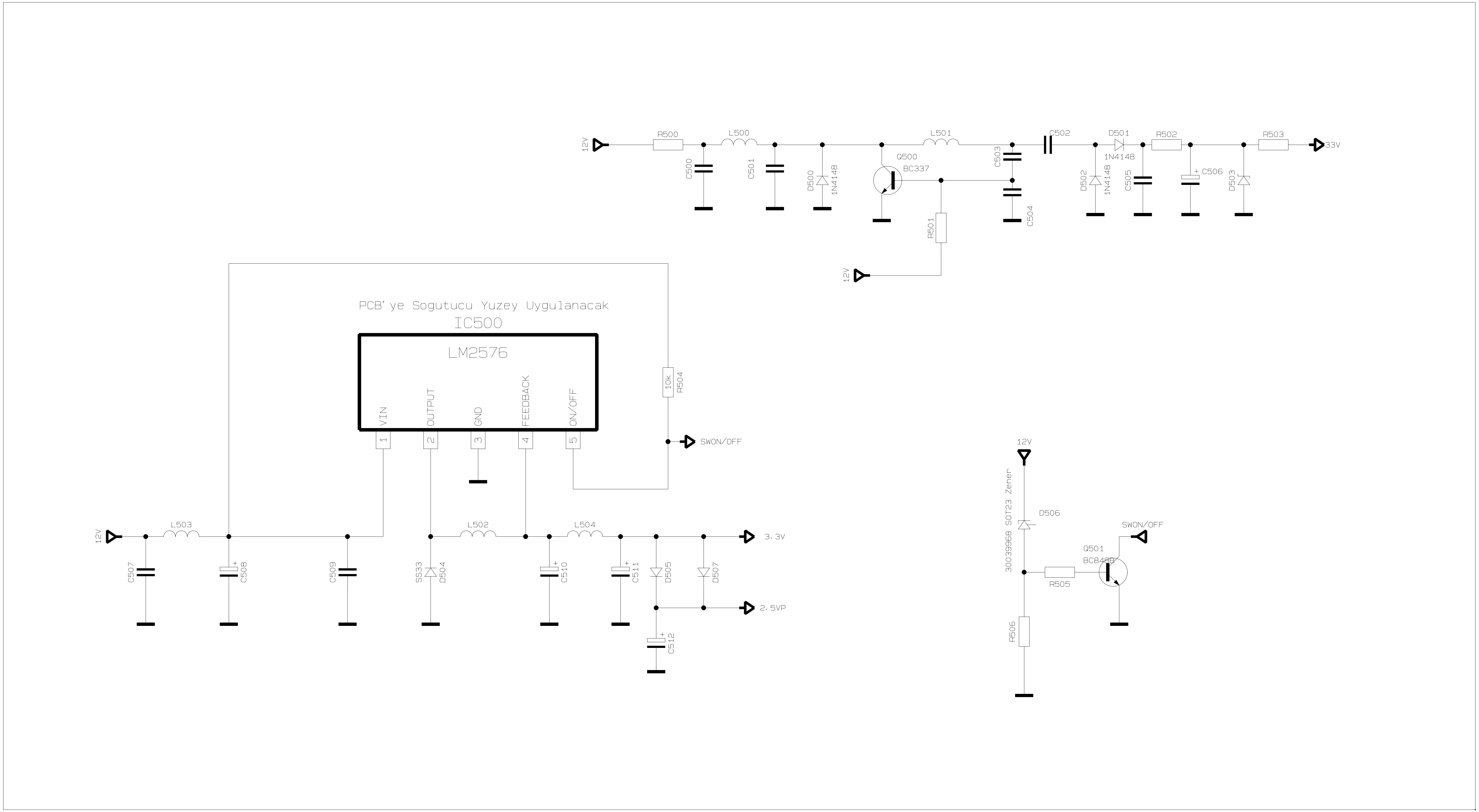


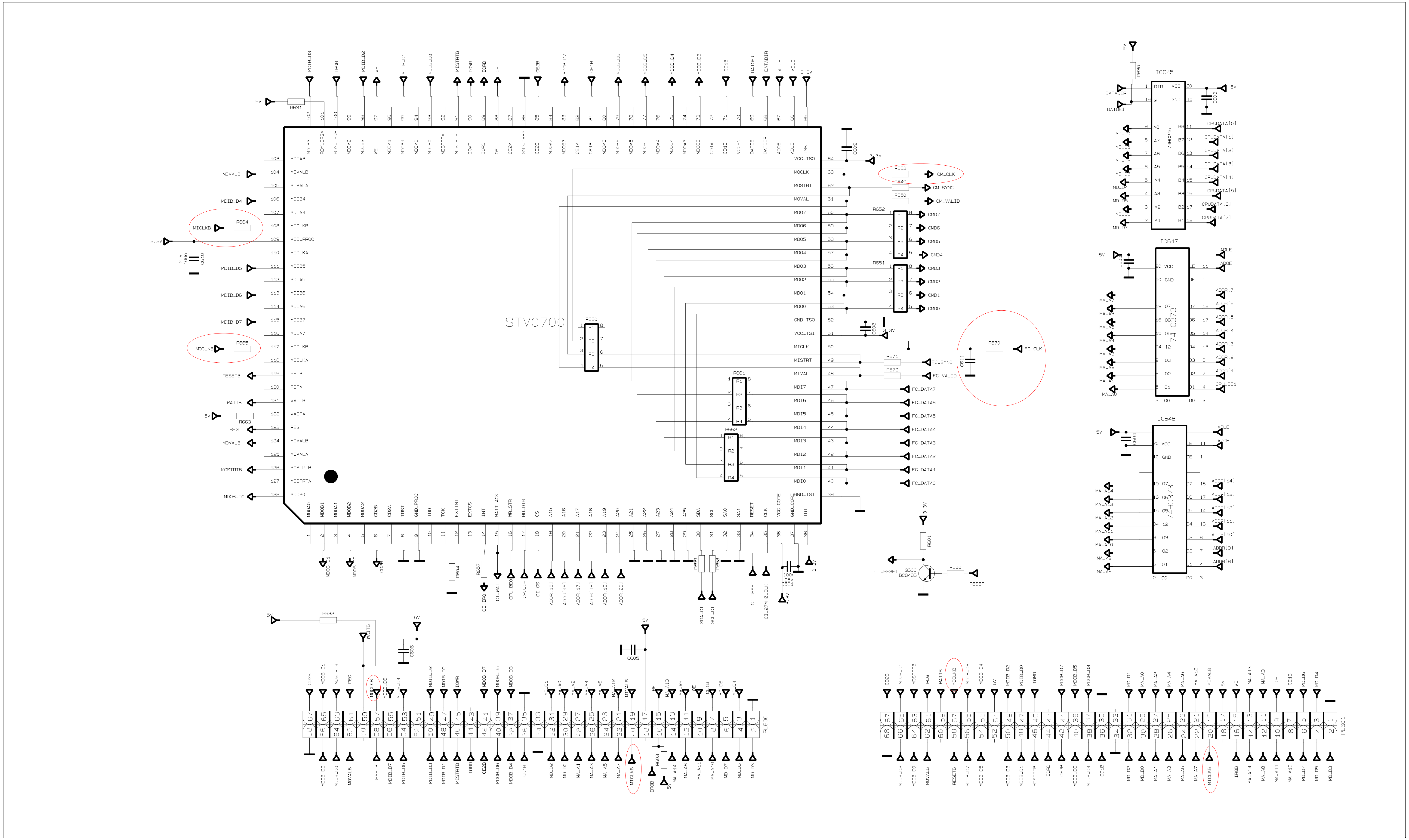


IC200
CS4334
SDATA
DEM/SCLK
LRCK
MCLK
AOUTL
VA
AGND
AOUTR
PCM_DATA
PCM_SCLK
PCM_LRCLK
PCM_CLK
LOUT
ROUT
5V
IC202
FMS6145
IN1
IN2
IN3
VCC
IN4
IN5
NC1
OUT1
OUT2
OUT3
GND
OUT4
OUT5
NC2
CVBS
RED
GREEN
BLUE
+5V_VID
TV_OUT
RED_OUT
GREEN_OUT
BLUE_OUT
IC201
LM833
OUT1
INV_IN1
NONINV_IN1
VCC-
VCC+
OUT2
INV_IN2
NONINV_IN2
L_OUT
R_OUT
12V
SPDIF
SPDIF_OUT
Q209
BC848B
BC858B
Q208
AUDIO OPAMP OUTPUT
AUDIO-DAC OUTPUT
PL200
PL201
PL202
PL204


IC300
MT48LC4M16A2
IC301
MT48LC4M16A2
IC302
M29W160B
* also M29W800 or M29W400 or M28F160
OPEN FOR M28F160
CLOSED FOR M28F160
IC303
24C32

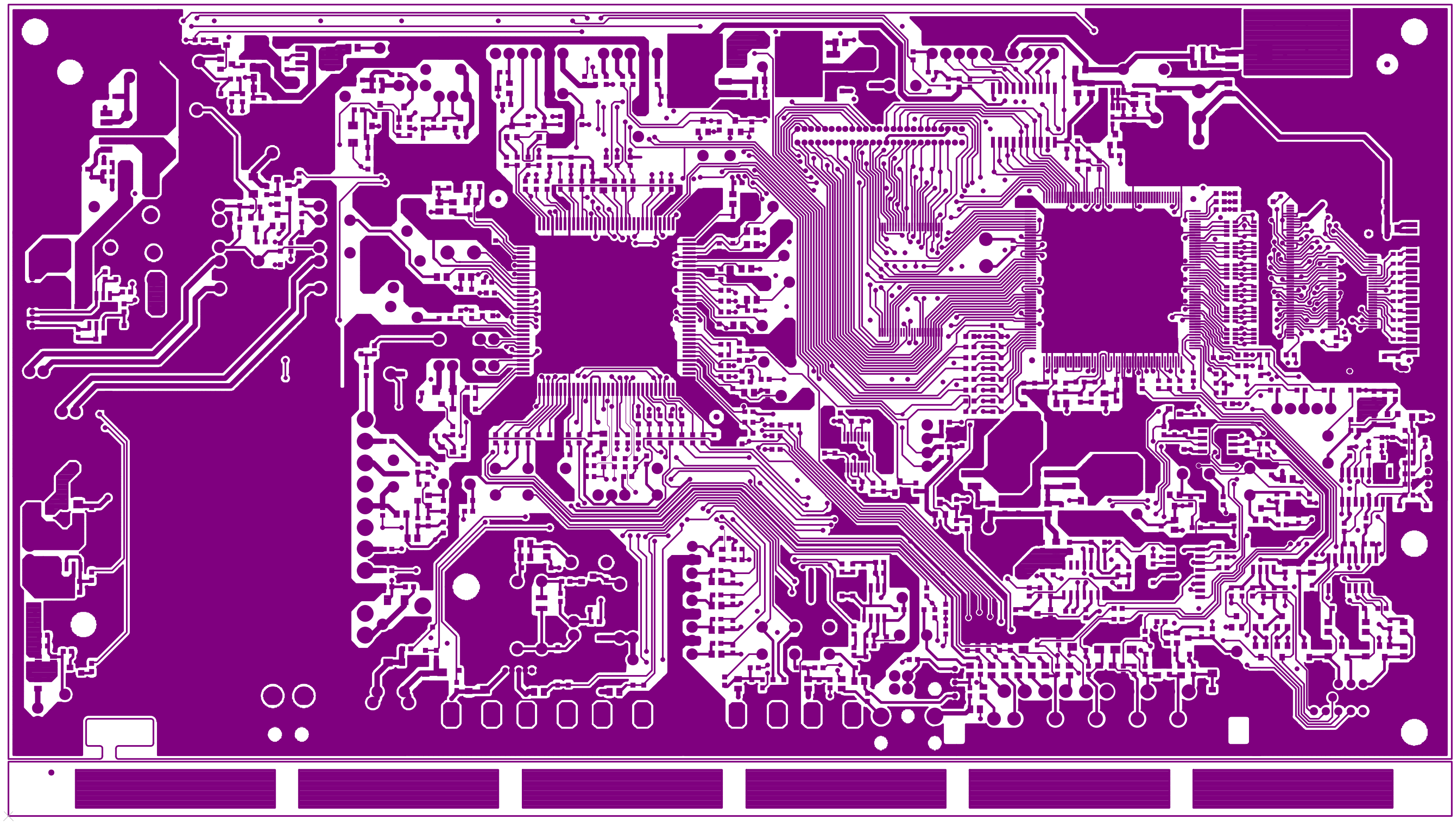

TU401
TECC2349PG39V
MOD_INPUT
AGC
V
SCL
SDA
+5V_SPLITTER_AMPL
+5V
7/8MHZ_SWITCH
+33V
IF2
IF1
TU400
TUNER_THOMSON_DTT71XX
Z400
X6966M
IN1
OUT1
IN2
OUT2
GND
SAW_5
IF1
IF2
R452
R432
R431
D401
D402
BA595
S513
7/8
5VF
R470
R451
C412
R428
RFAGC
S404
S515
SCLK
SDATA
L822
C491
C458
L401
C493
C484
R450
C459
C480
33VF
R441
L400
COIL_IF
L823
R403
C405
R401
Q400
BFS17P
R402
R404
R405
D400
BA595
C409
Q401
BFS17P
Q403
BC848B
R400
C488
C402
R408
R409
C404
R407
C411
R414
C416
C408
L402
R410
R411
R413
C415
C414
C460
C462
L411
C464
L412
C461
C463
R449
R415
Q402
BFS17P
R416
R417
C420
C445
C446
L824
33V
L405
22u
C403
R440
C457
C453
5V
3.3VA
L404
C410
L413
BLM21A601S
C452
C456
3.3V
3.3VD
sogutucu olacak
IC402
LM1117
C486
C475
C477
L810
BLM21A601S
C476
C487
1.8VA
1.8VD
X400
27MHz
R468
C435
C436
R456
C474
C433
C434
C485
C422
C481
C423
C473
C424
C429
C472
R467
C428
C471
RESET
C430
100n
25V
C465
C489
R421
R419
R418
R447
R448
C492
STV0360-COFM-DEMODULATOR
IC401
GNDXTAL
XTAL0
XTAL1
VCCXTAL1.8
TEST2
GND9
IP0
VDD4
GND8
CS0
GND7
CS1
VDD_3.3_4
DGNDA
DVCCA1.8
VCCA1.8
GNDA
REFM
REFP
VR
PGAVCC3.3
INM
INP
PGAGND
RESET
VDD1
AGC2
GND1
AGC1
TEST1
SCLT
SDAT
SCL
SDA
VDD_3.3_1
STR_OUT
GND2
D7
D6
D5
VDD2
D4
GND3
D3
D2
HFEC0
CCLK/HFEC1
CDATA/HFEC2
CIQ/HFEC3
AUX_CLK
GND6
OP0
VDD_3.3_3
LOCK/OP1
LOCK/OP2
GND5
ERROR
VDD3
D/P
GND4
CLK_OUT
VDD_3.3_2
D0
D1
C451
C437
R463
FC_VALID
R465
FC_CLK
C438
C450
R444
FC_DATA0
FC_DATA1
FC_DATA2
FC_DATA3
C469
C470
C440
R466
C455
FC_SYNC
R443
C439
FC_DATA7
FC_DATA6
FC_DATA5
FC_DATA4


12V
R500
L500
C500
C501
D500
1N4148
Q500
BC337
L501
C503
C504
R501
C502
D501
1N4148
D502
1N4148
C505
R502
C506
D503
R503
33V
PCB' ye Sogutucu Yuzey Uygulanacak
IC500
LM2576
VIN
OUTPUT
GND
FEEDBACK
ON/OFF
10k
R504
SWON/OFF
L503
C507
C508
C509
SS33
D504
L502
L504
C510
C511
D505
D507
3.3V
2.5VP
C512
30039968 SOT23 Zener
D506
Q501
R505
R506

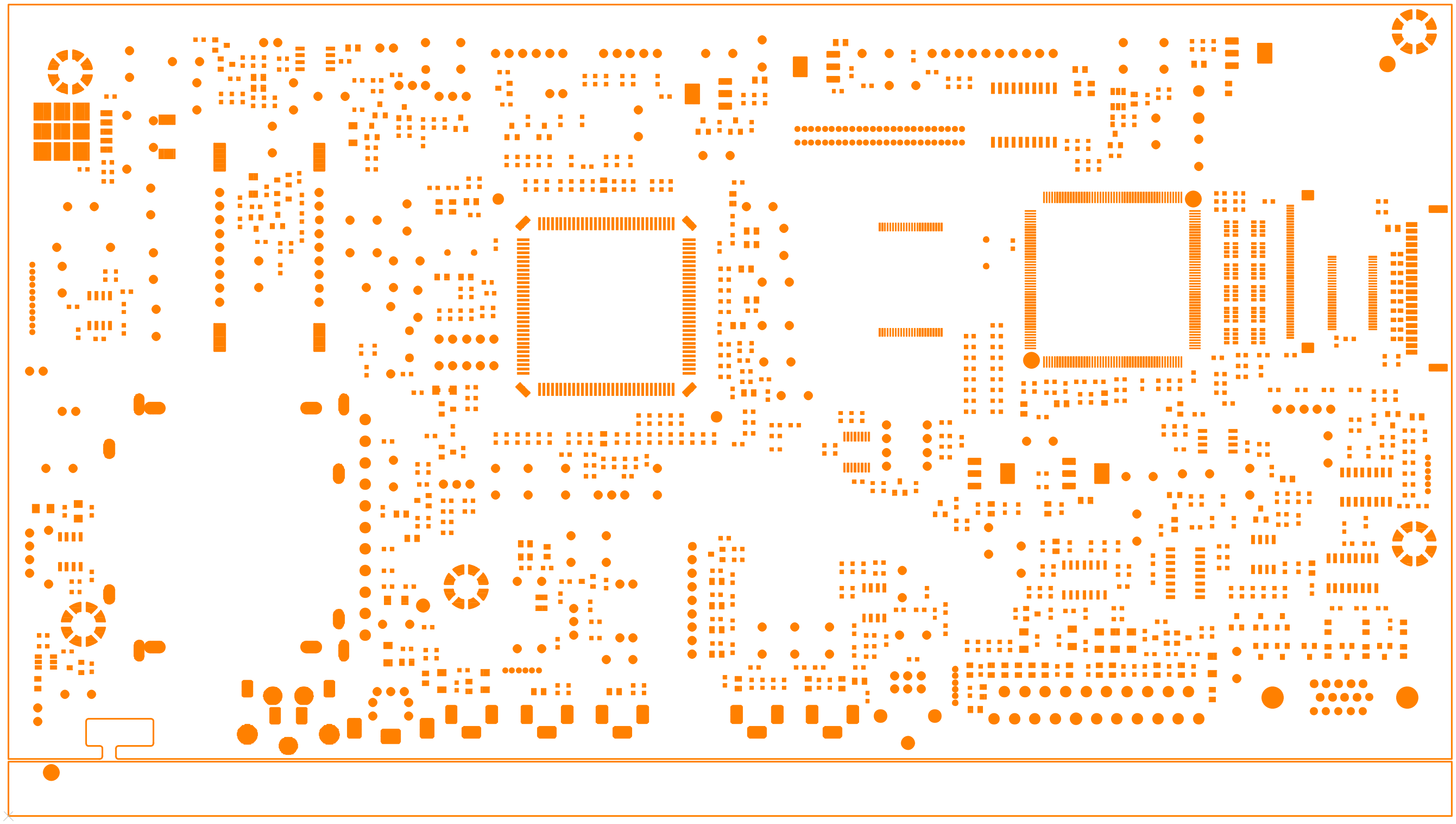

STV0700
IC645
74HC245
IC647
74HC373
IC648
74HC373
PL600
PL601

17MB18-5 TOP

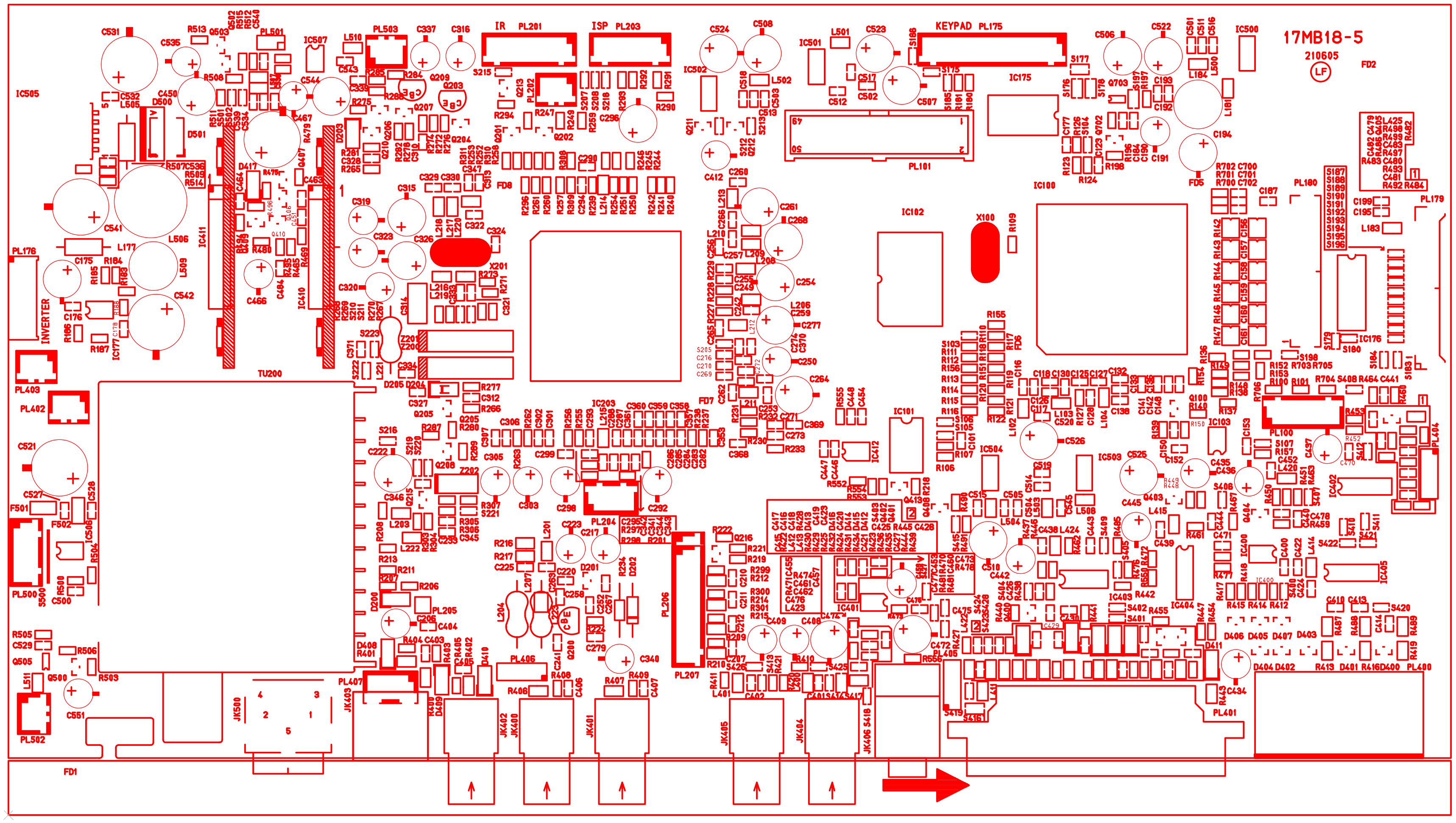
Print Lay-outs(Analog Board)



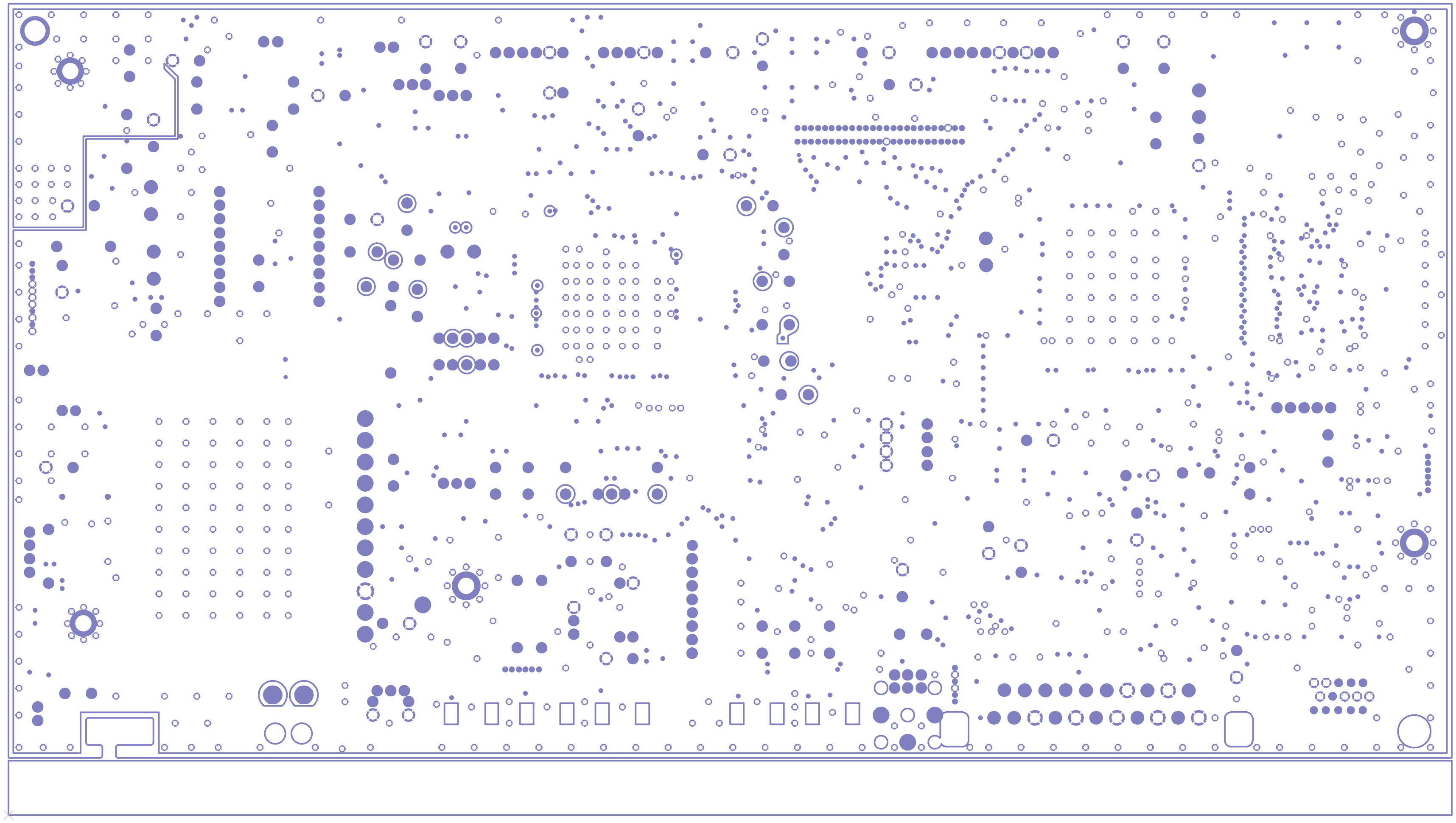
(17MB18-5 TOPmask



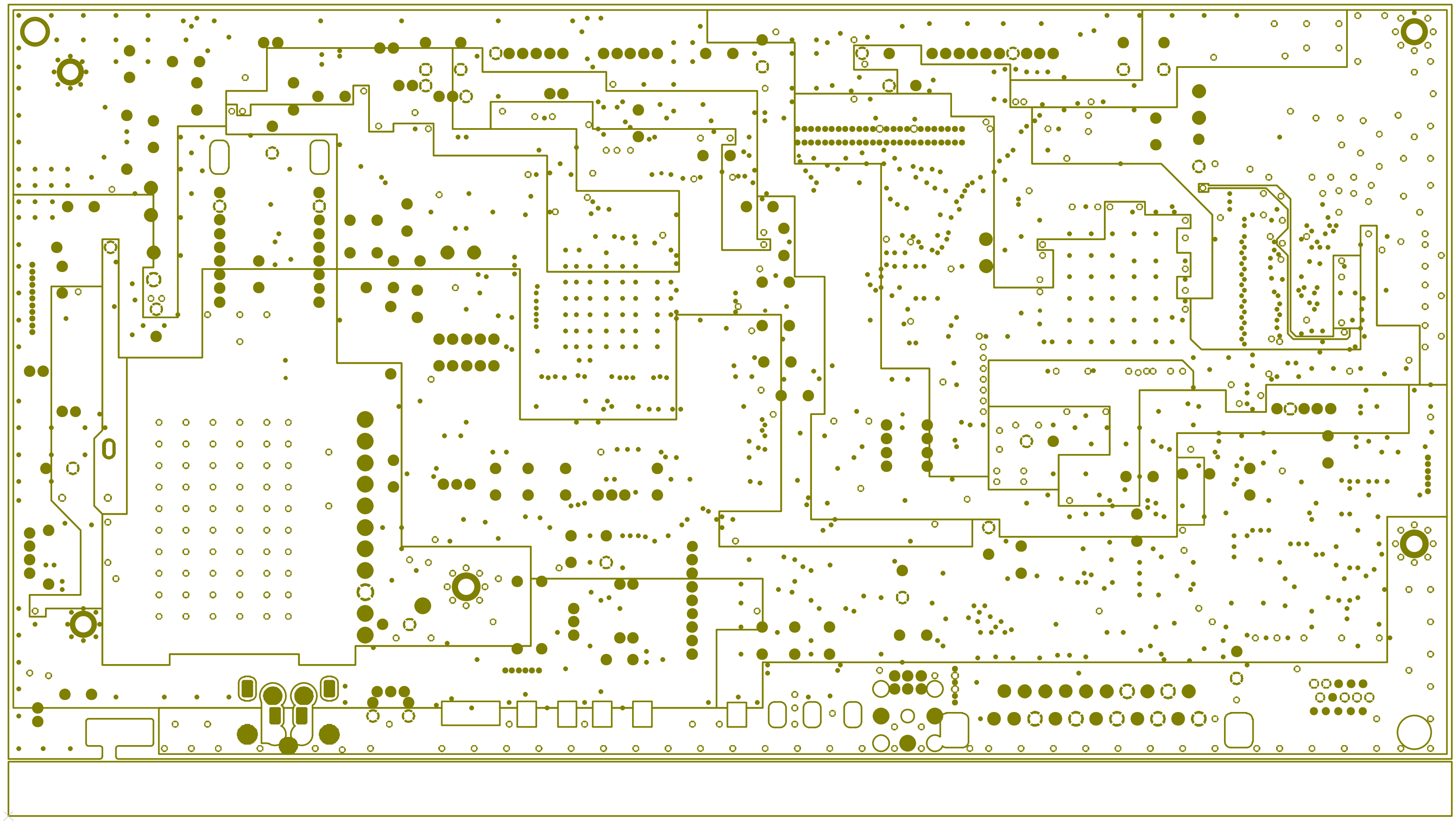
17MB18-5 TOPsilk



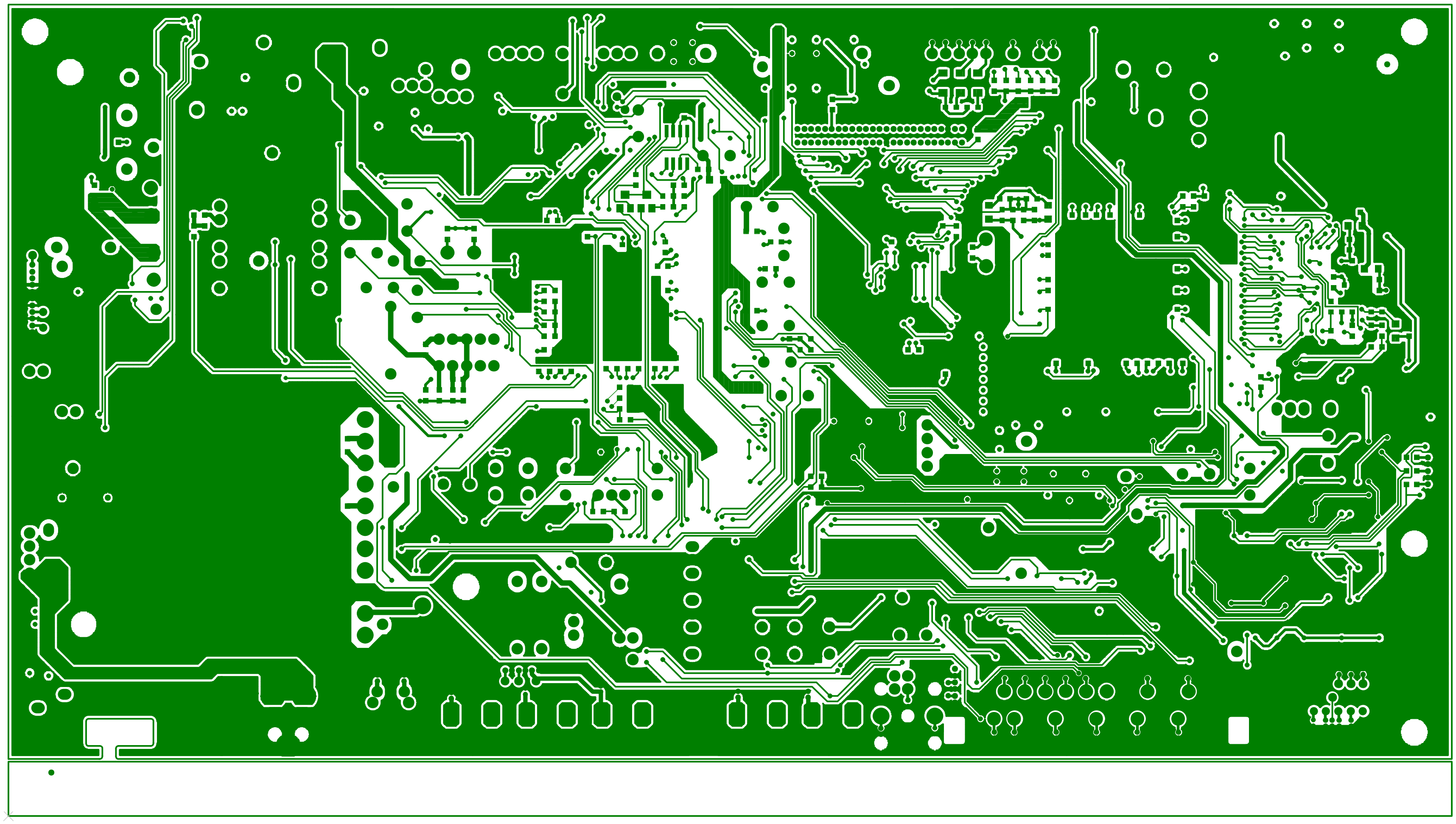
(17MB18-5 inner1



17MB18-5 inner2

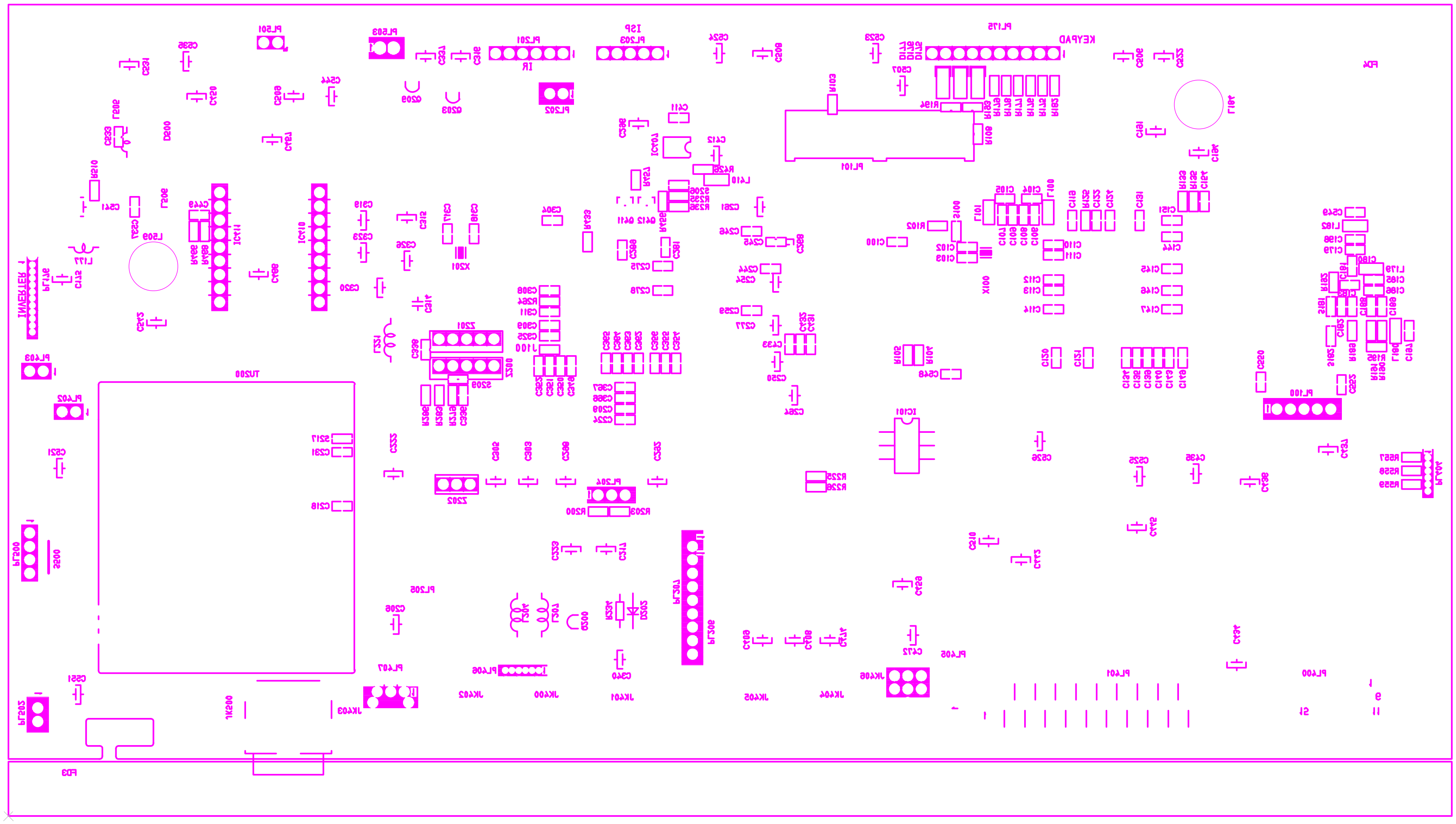


17MB18-5 BOT



17MB18-5 BOTTOMMASK

17MB18-5 BOTTOMSILK



10.1 SPARE PART LIST

No	Level	Name	QUANTITY	POSITION	CODE	DESCRIPTION
1	1	MD.ASY.17TK26-6SW XX10/11 TFT(M	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
2	2	MD.MAN.17TK26-6SW XX10/11 TFT (	1		20188132	MD.ASY.17TK26-6SW XX10/11 TFT(MB18)(ROH
3	3	PUSH SWITCH ON/OFF 0.1A/12RoHS	1	SW7	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
4	3	SWITCH TACT(4) ROHS	6	SW1	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
4	3	SWITCH TACT(4) ROHS	6	SW2	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
4	3	SWITCH TACT(4) ROHS	6	SW3	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
4	3	SWITCH TACT(4) ROHS	6	SW4	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
4	3	SWITCH TACT(4) ROHS	6	SW5	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
4	3	SWITCH TACT(4) ROHS	6	SW6	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
5	3	CNAS10P/450 TFT W/C UL1007 AWG2	1	PL1	20188343	MD.MAN.17TK26-6SW XX10/11 TFT (MB18)
6	2	MD.OTO.17TK26-6SW XX10/11 TFT (	1		20188132	MD.ASY.17TK26-6SW XX10/11 TFT(MB18)(ROH
7	3	MD.SMD.17TK26-6SW XX10/11 TFT (	1		20259613	MD.OTO.17TK26-6SW XX10/11 TFT (MB18)
8	4	MD.RAD.17TK26-6SW XX10/11 TFT (	1		20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
9	5	MD.AXI.17TK26-6SW XX10/11 TFT (	1		20259794	MD.RAD.17TK26-6SW XX10/11 TFT (MB18)
10	6	PCB 17TK26-1(ROHS)-SAFE	1		20259785	MD.AXI.17TK26-6SW XX10/11 TFT (MB18)
11	4	CAP SMD 100NF 50V K (0805) ROHS	6	C1	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
11	4	CAP SMD 100NF 50V K (0805) ROHS	6	C2	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
11	4	CAP SMD 100NF 50V K (0805) ROHS	6	C3	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
11	4	CAP SMD 100NF 50V K (0805) ROHS	6	C4	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
11	4	CAP SMD 100NF 50V K (0805) ROHS	6	C5	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
11	4	CAP SMD 100NF 50V K (0805) ROHS	6	C6	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L1	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L2	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L3	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L4	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L5	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L6	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
12	4	FERRITE SMD600R/100MHz200mA1.1R	7	L7	20259784	MD.SMD.17TK26-6SW XX10/11 TFT (MB18)
13	1	SNOW BOX ASSY TFT(F/B) 2010/11	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
14	2	SNOW BOX BACK LCD 2010/11	1		20189581	SNOW BOX ASSY TFT(F/B) 2010/11
15	3	EPS	0,344		20176470	SNOW BOX BACK LCD 2010/11
16	2	SNOW BOX FRONT LCD 2010/11	1		20189581	SNOW BOX ASSY TFT(F/B) 2010/11
17	3	EPS	0,344		20176471	SNOW BOX FRONT LCD 2010/11
18	1	FRONT 2010 TFT (CHM) W/H (SILVE	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
19	2	FRONT 2010 TFT (CHM) W/H EKO.GR	1		20194008	FRONT 2010 TFT (CHM) W/H (SILVER/P)
20	3	HIPS (NATURAL) SAFE ROHS	0,576		20194009	FRONT 2010 TFT (CHM) W/H EKO.GRAY(I)
21	3	MASTERBATCH EKO.GRAY GR3216SE1-	3		20194009	FRONT 2010 TFT (CHM) W/H EKO.GRAY(I)
22	2	PAINT SILVER 022-6485 (SU BAZLI	0,035		20194008	FRONT 2010 TFT (CHM) W/H (SILVER/P)
23	1	FOOT ASSY 2010/11 (SILVER/P)(ph	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
24	2	FOOT TOP COVER TFT 2010-11 (SIL	1		20194038	FOOT ASSY 2010/11 (SILVER/P)(phantom)
25	3	FOOT TOP COVER TFT 2310-11 (EKO	1		20194039	FOOT TOP COVER TFT 2010-11 (SILVER/P)
26	3	PAINT SILVER 022-6485 (SU BAZLI	0,002		20194039	FOOT TOP COVER TFT 2010-11 (SILVER/P)
27	2	FOOT ASSY 2010/11 TFT (SILVER/P	1		20194038	FOOT ASSY 2010/11 (SILVER/P)(phantom)
28	3	FOOT BOTTOM CVR TFT20-2310/11 (	1		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
29	4	FOOT BOTTOM CVR.TFT20-2310/11(E	1		20194041	FOOT BOTTOM CVR TFT20-2310/11 (SILVER/P)
30	5	HIPS (NATURAL) SAFE ROHS	0,298		20194042	FOOT BOTTOM CVR.TFT20-2310/11(EKO.GRAY/I
31	5	MASTERBATCH EKO.GRAY GR3216SE1-	1,5		20194042	FOOT BOTTOM CVR.TFT20-2310/11(EKO.GRAY/I
32	4	PAINT SILVER 022-6485 (SU BAZLI	0,002		20194041	FOOT BOTTOM CVR TFT20-2310/11 (SILVER/P)
33	3	VİDA C ZN YHDB M3*8 ROHS	5		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
34	3	SCREW P C ZN YSMB 3*6.5 RoHS	5		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
35	3	HINGE TFT2209W ROHS	1		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
36	3	FOOT BOTTOM METAL TFT 20-2310/	1		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
37	3	RUBBERFOOTADHESIVE(PINGOODC1906	2		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
38	3	FOOT PLASTIC(PINGOOD GL13/BLACK	9		20199427	FOOT ASSY 2010/11 TFT (SILVER/P)
39	2	SCREW C ZN YSMB M4*8 RoHS	4		20194038	FOOT ASSY 2010/11 (SILVER/P)(phantom)
40	2	SCREW P C ZN YFMB 3*9.5 RoHS	2		20194038	FOOT ASSY 2010/11 (SILVER/P)(phantom)
41	1	SPK.AS.2007/08/10/11 TFT (MB18)	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
42	2	SPK.AS.2010/11 TFT (R) (MB18)	1		20203995	SPK.AS.2007/08/10/11 TFT (MB18)
43	3	SPEAKER+TWTR 16R 5W 33x145MM CO	1		20203996	SPK.AS.2010/11 TFT (R) (MB18)
44	3	BUSH RUBBER BRACKET TFT2000/1	2		20203996	SPK.AS.2010/11 TFT (R) (MB18)
45	2	SPK.AS.2010/11 TFT (L) (MB18)	1		20203995	SPK.AS.2007/08/10/11 TFT (MB18)
46	3	SPEAKER+TWTR 16R 5W 33x145MM CO	1		20203997	SPK.AS.2010/11 TFT (L) (MB18)
47	3	CNAS 2P/450&500 SI SPK.NELTW/FE	1		20203997	SPK.AS.2010/11 TFT (L) (MB18)
48	3	BUSH RUBBER BRACKET TFT2000/1	2		20203997	SPK.AS.2010/11 TFT (L) (MB18)
49	1	BACK CVR.TFT 2010/11 (W/CI) (SI	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
50	2	BACK CVR.TFT 2010/11 (W/CI)(EKO	1		20212040	BACK CVR.TFT 2010/11 (W/CI) (SILVER/P)
51	3	HIPS (NATURAL) SAFE ROHS	1,031		20212071	BACK CVR.TFT 2010/11 (W/CI)(EKO.GRAY/I)
52	3	MASTERBATCH EKO.GRAY GR3216SE1-	5		20212071	BACK CVR.TFT 2010/11 (W/CI)(EKO.GRAY/I)
53	2	PAINT SILVER 022-6485 (SU BAZLI	0,045		20212040	BACK CVR.TFT 2010/11 (W/CI) (SILVER/P)
54	1	CI COSMETIC COVER 2010/11TFT(S	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
55	2	CI COSMETIC CVR.2010/11TFT (EKO	1		20216605	CI COSMETIC COVER 2010/11TFT(SILVER/P)
56	3	HIPS (NATURAL) SAFE ROHS	0,036		20179481	CI COSMETIC CVR.2010/11TFT (EKO.GRAY/I)
57	3	MASTERBATCH EKO.GRAY GR3216SE1-	0,18		20179481	CI COSMETIC CVR.2010/11TFT (EKO.GRAY/I)

58	2	PAINT SILVER 022-6485 (SU BAZLI	0,001		20216605	CI COSMETIC COVER 2010/11TFT(SILVER/P)
59	1	BRACKET (CI) XX24W TFT (SILVER/	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
60	2	BRACKET (CI) XX24W TFT (EKO.GRA	1		20220760	BRACKET (CI) XX24W TFT (SILVER/P)
61	3	HIPS (NATURAL) SAFE ROHS	0,006		20170331	BRACKET (CI) XX24W TFT (EKO.GRAY/I)
62	3	MASTERBATCH EKO.GRAY GR3216SE1-	0,03		20170331	BRACKET (CI) XX24W TFT (EKO.GRAY/I)
63	2	PAINT SILVER 022-6485 (SU BAZLI	0,001		20220760	BRACKET (CI) XX24W TFT (SILVER/P)
64	1	SCR.ASSY.2010/11 TFT(MB18)IDTV(	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
65	2	SCR.ASSY.WO/PAN 2010/11 TFT(MB1	1		20242049	SCR.ASSY.2010/11 TFT(MB18)IDTV(CHM-6BIT)
66	3	SCREW C ZN YSMB M3*6 ROHS	7		20194694	SCR.ASSY.WO/PAN 2010/11 TFT(MB18)
67	3	SCREW P C ZN YSMB 3*6.5 RoHS	1		20194694	SCR.ASSY.WO/PAN 2010/11 TFT(MB18)
68	3	SCREW P C ZN YFMB 3*9.5 RoHS	8		20194694	SCR.ASSY.WO/PAN 2010/11 TFT(MB18)
69	3	SCREW P C ZN YSMB 4*10 RoHS	11		20194694	SCR.ASSY.WO/PAN 2010/11 TFT(MB18)
70	3	SCREW P C ZN RYSB 3x10 RoHS	4		20194694	SCR.ASSY.WO/PAN 2010/11 TFT(MB18)
71	3	SCREW M 3*8 YSB TAPTITE (ROHS)	2		20194694	SCR.ASSY.WO/PAN 2010/11 TFT(MB18)
72	2	SCR.ASSY.DIF.KIT TFT 2010/11 ID	1		20242049	SCR.ASSY.2010/11 TFT(MB18)IDTV(CHM-6BIT)
73	3	SCREW S C ZN YFMB 2.9*19	4		20242045	SCR.ASSY.DIF.KIT TFT 2010/11 IDTV(CHM-6B
74	3	SCREWPCZNYSB3.5x10(KN1031T35X10	8		20242045	SCR.ASSY.DIF.KIT TFT 2010/11 IDTV(CHM-6B
75	3	SCREW P C ZN YSB 3*20(KN1031)	4		20242045	SCR.ASSY.DIF.KIT TFT 2010/11 IDTV(CHM-6B
76	1	MD.ASY.17LD23-2010 IDTV TFT (MB	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
77	2	MD.OTO.17LD23-17-2324/26-32705/	1		20251766	MD.ASY.17LD23-2010 IDTV TFT (MB18)
78	3	MD.SMD.17LD23-1724/2324 TFT	1		20174631	MD.OTO.17LD23-17-2324/26-32705/32701 TFT
79	4	MD.RAD.17LD23-1724/2324 TFT	1		20174632	MD.SMD.17LD23-1724/2324 TFT
80	5	MD.AXI.17LD23-1724/2324 TFT	1		20174633	MD.RAD.17LD23-1724/2324 TFT
81	6	PCB 17LD23-1(ROHS)	1		20182686	MD.AXI.17LD23-1724/2324 TFT
82	5	CAP EL 22UF 50V M ROHS	1	C1	20174633	MD.RAD.17LD23-1724/2324 TFT
83	4	RES SMD 1/16W 100R J (0603) ROH	1	R1	20174632	MD.SMD.17LD23-1724/2324 TFT
84	2	MD.MAN.17LD23-2010 IDTV TFT (MB	1		20251766	MD.ASY.17LD23-2010 IDTV TFT (MB18)
85	3	LED HOLDER (d9x10)	1		20251767	MD.MAN.17LD23-2010 IDTV TFT (MB18)
86	4	HIPS (NATURAL) SAFE ROHS	0,01		20119034	LED HOLDER (d9x10)
87	4	MASTERBATCH (BLACK)	0,1		20119034	LED HOLDER (d9x10)
88	3	LED RED/GREEN 5MM (3 PIN) RoHS	1	D2	20251767	MD.MAN.17LD23-2010 IDTV TFT (MB18)
89	3	PREAMPLIFIER TFMS5360 RoHS	1	IC1	20251767	MD.MAN.17LD23-2010 IDTV TFT (MB18)
90	3	CNAS 5P-6/700 FLT W/CUL2468AWG2	1	PL1	20251767	MD.MAN.17LD23-2010 IDTV TFT (MB18)
91	1	TFT WALL MOUNT ASSY.17"20"23" W	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
92	2	TFT WALL MOUNT WO ANC.17"20"23"	1		20253298	TFT WALL MOUNT ASSY.17"20"23" WO/SCR&DUB
93	1	CHS.ASSY.17MB18-5-1117121215112	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
94	2	IC 24C32 TU007392302110011	1		20264490	CHS.ASSY.17MB18-5-111712121511214
95	3	IC EEPROM 24C32 32Kbx8 DIP8 ROH	1		20194730	IC 24C32 TU007392302110011
96	2	LCD DIFF.KIT.MAN MB18-5 20" (4:	1		20264490	CHS.ASSY.17MB18-5-111712121511214
97	3	MB.MAN.17MB18-5 20" CHM/LG PANE	1		20244990	LCD DIFF.KIT.MAN MB18-5 20" (4:3) CHM
98	3	MB.MAN.17MB18-5 W/5V PANEL (ÜST	1		20244990	LCD DIFF.KIT.MAN MB18-5 20" (4:3) CHM
99	2	M.ASSY.17MB18-5-MAN 1X1712X21X1	1		20264490	CHS.ASSY.17MB18-5-111712121511214
100	3	MB.MAN.17MB18-5 COMMON TFT (ÜST	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
101	4	CAP EL 1000UF 16V M ROHS	1	C541	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
102	4	DIODE SCH STPS745F 7.5A/45V TO2	1	D500	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
103	4	FILTER SAW OFWK3953MROHS	1	Z201	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
104	4	XTAL 24.576 20p HC49U ROHS	1	X201	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
105	4	FIXED COIL 22UH 5.4A 11.5x15.	1	L509	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
106	4	CABL 1P/25 SISRoHS	2	IC410-	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
106	4	CABL 1P/25 SISRoHS	2	IC411-	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
107	4	FILTER SAW K9656M ROHS	1	Z200	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
108	4	XTAL 14.318 MHZ ROHS	1	X100	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
109	4	CONN HEADER 11P 1.25MM SIDE RoH	1	PL176	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
110	4	SOCET SCART BLACK TFT RoHS	1	PL401	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
111	4	FIXED COIL RAD 47UH 2A 14x16 RO	1	L506	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
112	4	DC POWER SOCKET 7.5ARoHS	1	JK500	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
113	4	CONN HEADER 2P 2.5MM TOP WHT SD	1	PL501	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
114	4	CONN HEADER 2P 2.5MM TOP BLUE S	1	PL403	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
115	4	CONN HEADER 5P 2.5MM TOP WHT SD	2	PL203	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
115	4	CONN HEADER 5P 2.5MM TOP WHT SD	2	PL100	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
116	4	CAP EL 2200UF 10V M 10X20 LL RO	1	C544	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
117	4	IC AAMP TDA7056A 3W SOT110-1 RO	1	IC411	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
118	4	CONN HEADER 6P 2.5MM TOP WHT SD	1	PL201	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
119	4	SOCKET IC 8P (DIP) ROHS	1	IC101	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
120	4	CONN HEADER 10P 2.54MM TOP WHT	1	PL175	20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
121	4	SOLDER LEAD FREESAC300 BAR ROHS	0,01		20219851	MB.MAN.17MB18-5 COMMON TFT (ÜST)
122	3	MB.MAN.17MB18-5 W/IDTV TFT (ÜST	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
123	4	CONN HEADER 3P 2.5MM TOP WHT SD	1	PL204	20219889	MB.MAN.17MB18-5 W/IDTV TFT (ÜST)
124	4	CONN HEADER 2P 2.5MM TOP RED SD	1	PL502	20219889	MB.MAN.17MB18-5 W/IDTV TFT (ÜST)
125	4	CONN HEADER 8P 2.5MM TOP WHT RO	1	PL206	20219889	MB.MAN.17MB18-5 W/IDTV TFT (ÜST)
126	4	CONN HEADER 2P 2.5MM TOP YELLOW	1	PL503	20219889	MB.MAN.17MB18-5 W/IDTV TFT (ÜST)
127	4	TUNER WSP (PLL)38.9 HOR IEC-	1	TU200	20219889	MB.MAN.17MB18-5 W/IDTV TFT (ÜST)
128	3	MB.MAN.17MB18-5 SVHS (ONBOARD)	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
129	4	JACK 4P DIN TYPE FOR SVHS ROHS	1	JK403	20221011	MB.MAN.17MB18-5 SVHS (ONBOARD) TFT (ÜST)

130	3	MB.MAN.17MB18-5 SIDE HP TFT (ÜS	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
131	4	CONN MALE 6P MOLEX VERTICAL(TFT	1	PL405	20221012	MB.MAN.17MB18-5 SIDE HP TFT (ÜST)
132	3	MB.MAN.17MB18-5 W/VGA TFT (ÜST)	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
133	4	DSOCKET D-SUB 15P FOR TFT RoHS	1	PL400	20221013	MB.MAN.17MB18-5 W/VGA TFT (ÜST)
134	3	MB.MAN.17MB18-5 LINE OUT TFT (Ü	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
135	4	JACK RCA 1P WHITE 28 FAV ROHS	1	JK404	20221014	MB.MAN.17MB18-5 LINE OUT TFT (ÜST)
136	4	JACK RCA 1P RED 28 FAV ROHS	1	JK405	20221014	MB.MAN.17MB18-5 LINE OUT TFT (ÜST)
137	3	MB.MAN.17MB18-5 SIDE AV TFT (ÜS	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
138	4	FIXEDCOIL AXI47uH340mAQ60K1.22R	1	L207	20225254	MB.MAN.17MB18-5 SIDE AV TFT (ÜST)
139	4	CONN MALE 6P MOLEX VERTICAL(TFT	1	PL406	20225254	MB.MAN.17MB18-5 SIDE AV TFT (ÜST)
140	3	MB.MAN.17MB18-4/5 W/STEREO TFT	1		20264486	M.ASSY.17MB18-5-MAN 1X1712X21X1X1XX
141	4	CONN HEADER 2P 2.5MM TOP WHT SD	1	PL402	20238715	MB.MAN.17MB18-4/5 W/STEREO TFT (ÜST)
142	4	IC AAMP TDA7056A 3W SOT110-1 RO	1	IC410	20238715	MB.MAN.17MB18-4/5 W/STEREO TFT (ÜST)
143	2	M.ASSY.17MB18-5-OTO 1X1712121X1	1		20264490	CHS.ASSY.17MB18-5-111712121511214
144	3	MB.SMD.17MB18-5-COMMON TFT (ÜST	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
145	4	MB.RAD.17MB18-5-COMMON TFT (ÜST	1		20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
146	5	MB.AXI.17MB18-5-COMMON TFT (ÜST	1		20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
147	6	MB.SEQ.17MB18-5-COMMON TFT (ÜST	1		20219859	MB.AXI.17MB18-5-COMMON TFT (ÜST)
148	7	RES CF 1/4W 47R J ROHS	1	R234	20219858	MB.SEQ.17MB18-5-COMMON TFT (ÜST)
149	7	DIODE ZENER 33V UZT 33B ROHS	1	D202	20219858	MB.SEQ.17MB18-5-COMMON TFT (ÜST)
150	7	FIXEDCOIL AXI47uH340mAQ60K1.22R	1	L204	20219858	MB.SEQ.17MB18-5-COMMON TFT (ÜST)
151	7	FERRITE BEAD AXI 70/100M 3A 3.5	2	L177	20219858	MB.SEQ.17MB18-5-COMMON TFT (ÜST)
151	7	FERRITE BEAD AXI 70/100M 3A 3.5	2	L505	20219858	MB.SEQ.17MB18-5-COMMON TFT (ÜST)
152	7	FIXEDCOILAXI560nH540mAQ500.34R2	1	L221	20219858	MB.SEQ.17MB18-5-COMMON TFT (ÜST)
153	6	PCB 17MB18-5 RoHS	1		20219859	MB.AXI.17MB18-5-COMMON TFT (ÜST)
154	5	CAP MKT 220NF 63V J ROHS	1	C314	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C217	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C223	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C250	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C303	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C305	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C316	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C320	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C337	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C434	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C459	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C535	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
155	5	CAP EL 10UF 50V MROHS	12	C466	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C254	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C261	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C264	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C268	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C296	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C315	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C326	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C472	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C474	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C506	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C507	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C508	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C510	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C522	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C523	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C524	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C525	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C526	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
156	5	CAP EL 100UF 16V MROHS	19	C222	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
157	5	CAP EL 100UF 25V MROHS	1	C450	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
158	5	CAP EL 1UF 50V M. ROHS	1	C323	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
159	5	CAP EL 2.2UF 50V M ROHS	2	C292	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
159	5	CAP EL 2.2UF 50V M ROHS	2	C298	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
160	5	CAP EL 3.3UF 50V M ROHS	1	C340	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
161	5	CAP EL 47UF 50V M ROHS	2	C277	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
161	5	CAP EL 47UF 50V M ROHS	2	C206	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
162	5	CAP EL 470UF 16V M. ROHS	2	C467	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
162	5	CAP EL 470UF 16V M. ROHS	2	C542	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
163	5	TR NBJT BC327 0.5A/45V TO92 ROH	2	Q203	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
163	5	TR NBJT BC327 0.5A/45V TO92 ROH	2	Q209	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
164	5	TR PBJT BC548B 0.1A/30V TO92 RO	1	Q200	20219860	MB.RAD.17MB18-5-COMMON TFT (ÜST)
165	4	RES SMD 1/10W 100R J (0805) ROH	2	R216	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
165	4	RES SMD 1/10W 100R J (0805) ROH	2	R217	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
166	4	RES SMD 1/10W 1K J 0805 ROHS	4	R406	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
166	4	RES SMD 1/10W 1K J 0805 ROHS	4	R407	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
166	4	RES SMD 1/10W 1K J 0805 ROHS	4	R422	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)

166	4	RES SMD 1/10W 1K J 0805 ROHS	4	R430	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
167	4	RES SMD 1/10W 10K J 0805 ROHS	1	R432	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R400	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R401	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R402	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R429	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R431	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R434	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R435	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R443	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
168	4	RES SMD 1/10W 75R J (0805) ROHS	9	R444	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
169	4	DIODE SMD 1N4148 0.2A/75V ROHS	2	D200	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
169	4	DIODE SMD 1N4148 0.2A/75V ROHS	2	D417	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q204	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q205	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q207	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q208	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q401	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q406	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q407	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q503	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q213	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q410	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
170	4	TR SMD PBJT BC848B 0.1A/30VSOT2	12	Q702	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
171	4	TR SMD NBJT BC858B 0.1A/30V SOT	2	Q402	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
171	4	TR SMD NBJT BC858B 0.1A/30V SOT	2	Q409	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
172	4	JUMPER SMD (0805) ROHS	1	L501	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
173	4	JUMPER SMD 1206 ROHS	1	F502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L102	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L103	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L104	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L201	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L203	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L206	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L208	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L209	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L210	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L211	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L212	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L213	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L214	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L215	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L216	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L217	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L218	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L220	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L411	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L412	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L413	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
174	4	FERRITE SMD600R/100MHz200mA1.1R	22	L414	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
175	4	DIODE BAV99 0.25A/70V 4.5A SOT2	1	D201	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
176	4	IC HEADPHONE TDA1308T SO8 RoHS	1	IC401	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
177	4	IC MUX/DEMUX M74HC4052 SO16 ROH	1	IC404	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
178	4	DIODE SMD BA782 35V SOD123 ROHS	1	D204	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
179	4	RES SMD 1/16W 1.5M J (0603) ROH	2	R109	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
179	4	RES SMD 1/16W 1.5M J (0603) ROH	2	R268	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
180	4	RES SMD 1/16W 100K J (0603) ROH	2	R266	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
180	4	RES SMD 1/16W 100K J (0603) ROH	2	R509	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R100	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R101	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R111	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R112	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R113	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R114	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R115	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R116	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R149	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R211	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R213	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R227	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R228	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R229	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R237	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)

181	4	RES SMD 1/16W 100R J (0603) ROH	39	R238	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R250	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R251	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R254	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R260	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R261	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R292	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R293	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R403	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R404	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R405	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R423	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R424	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R425	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R436	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R439	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R455	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R257	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R152	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R153	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R154	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R155	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R501	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
181	4	RES SMD 1/16W 100R J (0603) ROH	39	R502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C403	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C404	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C405	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C419	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C420	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C421	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C425	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C427	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C428	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C125	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C132	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C461	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
182	4	CAP SMD 100PF 50V J (0603) ROHS	13	C473	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
183	4	CAP SMD 18PF 50V J (0603) ROHS	1	C123	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
184	4	CAP SMD 270PF 50V J (0603) ROHS	3	C258	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
184	4	CAP SMD 270PF 50V J (0603) ROHS	3	C460	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
184	4	CAP SMD 270PF 50V J (0603) ROHS	3	C462	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C353	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C357	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C358	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C359	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C360	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C361	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C368	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C369	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
185	4	CAP SMD 47PF 50V J (0603) ROHS	9	C370	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C142	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C301	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C406	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C407	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C415	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C416	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C417	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
186	4	CAP SMD 1NF 50V K R (0603) ROHS	8	C418	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
187	4	CAP SMD 10NF 50V K R (0603) ROH	2	C192	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
187	4	CAP SMD 10NF 50V K R (0603) ROH	2	C195	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
188	4	CAP SMD 33NF 50V K (0603) ROHS	2	C263	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
188	4	CAP SMD 33NF 50V K (0603) ROHS	2	C267	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
189	4	CAP SMD 4.7NF 50V K (0603) ROHS	4	C241	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
189	4	CAP SMD 4.7NF 50V K (0603) ROHS	4	C252	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
189	4	CAP SMD 4.7NF 50V K (0603) ROHS	4	C475	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
189	4	CAP SMD 4.7NF 50V K (0603) ROHS	4	C476	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
190	4	CAP SMD 47NF 50V K (0603) ROHS	4	C279	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
190	4	CAP SMD 47NF 50V K (0603) ROHS	4	C136	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
190	4	CAP SMD 47NF 50V K (0603) ROHS	4	C141	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
190	4	CAP SMD 47NF 50V K (0603) ROHS	4	C148	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C101	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C193	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C220	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C225	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)

191	4	CAP SMD 100NF 25V K R (0603) RO	8	C463	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C534	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C538	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
191	4	CAP SMD 100NF 25V K R (0603) RO	8	C199	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
192	4	CAP SMD 10NF 50V J (0603) ROHS	2	C126	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
192	4	CAP SMD 10NF 50V J (0603) ROHS	2	C133	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R123	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R124	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R126	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R180	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R181	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R183	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R184	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R187	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R188	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R208	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R224	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R233	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R276	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R284	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R287	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R289	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R475	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R508	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R511	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R513	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R259	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
193	4	RES SMD 1/16W 10K J (0603) ROHS	22	R198	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
194	4	RES SMD 1/16W 12K J (0603) ROHS	1	R271	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
195	4	RES SMD 1/16W 150K J (0603) ROH	3	R507	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
195	4	RES SMD 1/16W 150K J (0603) ROH	3	R473	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
195	4	RES SMD 1/16W 150K J (0603) ROH	3	R481	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
196	4	RES SMD 1/16W 1K J (0603) ROHS	3	R291	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
196	4	RES SMD 1/16W 1K J (0603) ROHS	3	R445	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
196	4	RES SMD 1/16W 1K J (0603) ROHS	3	R447	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
197	4	RES SMD 1/16W 220R J (0603) ROH	1	R495	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
198	4	RES SMD 1/16W 22K J (0603) ROHS	5	R290	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
198	4	RES SMD 1/16W 22K J (0603) ROHS	5	R512	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
198	4	RES SMD 1/16W 22K J (0603) ROHS	5	R496	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
198	4	RES SMD 1/16W 22K J (0603) ROHS	5	R206	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
198	4	RES SMD 1/16W 22K J (0603) ROHS	5	R197	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
199	4	RES SMD 1/16W 27K J (0603) RoHS	1	R230	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R106	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R107	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R110	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R117	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R118	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R127	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R136	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R137	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R138	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R245	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R246	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
200	4	RES SMD 1/16W 3.3K J (0603) ROH	12	R239	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
201	4	RES SMD 1/16W 330R J (0603) ROH	3	R262	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
201	4	RES SMD 1/16W 330R J (0603) ROH	3	R263	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
201	4	RES SMD 1/16W 330R J (0603) ROH	3	R255	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
202	4	RES SMD 1/16W 33K J (0603) ROHS	4	R470	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
202	4	RES SMD 1/16W 33K J (0603) ROHS	4	R471	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
202	4	RES SMD 1/16W 33K J (0603) ROHS	4	R550	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
202	4	RES SMD 1/16W 33K J (0603) ROHS	4	R551	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
203	4	RES SMD 1/16W 390R J (0603) ROH	1	R256	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
204	4	RES SMD 1/16W 39K J (0603) ROHS	3	R267	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
204	4	RES SMD 1/16W 39K J (0603) ROHS	3	R474	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
204	4	RES SMD 1/16W 39K J (0603) ROHS	3	R478	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R244	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R258	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R269	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R278	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R282	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R479	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R156	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
205	4	RES SMD 1/16W 4.7K J (0603) ROH	8	R514	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
206	4	RES SMD 1/16W 47K J (0603) ROHS	4	R273	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)

206	4	RES SMD 1/16W 47K J (0603) ROHS	4	R280	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
206	4	RES SMD 1/16W 47K J (0603) ROHS	4	R294	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
206	4	RES SMD 1/16W 47K J (0603) ROHS	4	R480	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
207	4	RES SMD 1/16W 680R J (0603) ROH	1	R277	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
208	4	RES SMD 1/16W 68K J (0603) ROHS	1	R207	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
209	4	RES SMD 1/16W 75R J (0603) ROHS	2	R472	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
209	4	RES SMD 1/16W 75R J (0603) ROHS	2	R477	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
210	4	RES SMD 1/16W 10R J 0603 ROHS	2	R231	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
210	4	RES SMD 1/16W 10R J 0603 ROHS	2	R454	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S105	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S208	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S218	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S222	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S223	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S427	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S428	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	R515	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	R556	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	S205	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
211	4	JUMPER SMD 0603 ROHS	12	R703	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
212	4	RES SMD 1/16W 47R J (0603) ROHS	1	R700	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
213	4	RES SMD 1/16W 2.2R J (0603) ROH	4	R272	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
213	4	RES SMD 1/16W 2.2R J (0603) ROH	4	R274	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
213	4	RES SMD 1/16W 2.2R J (0603) ROH	4	R285	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
213	4	RES SMD 1/16W 2.2R J (0603) ROH	4	R288	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C249	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C255	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C256	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C266	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C313	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C545	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C284	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C285	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C306	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
214	4	CAP SMD 220NF 16V K R (0603) RO	10	C307	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
215	4	FERRITE SMD1K/100MHz200mA0.45R(	2	L422	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
215	4	FERRITE SMD1K/100MHz200mA0.45R(	2	L423	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C116	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C117	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C118	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C130	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C138	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C177	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C178	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C233	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C242	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C257	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C262	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C265	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C271	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C273	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C274	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C276	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C282	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C283	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C286	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C287	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C288	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C290	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C293	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C294	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C295	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C299	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C302	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C310	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C312	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C321	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C322	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C324	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C327	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C329	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C330	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C333	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)

216	4	CAP SMD 100NF 16V K R (0603) RO	65	C334	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C339	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C422	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C423	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C457	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C471	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C501	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C503	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C504	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C505	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C511	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C512	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C513	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C514	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C515	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C516	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C517	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C518	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C519	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C520	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C536	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C540	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C543	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C253	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C260	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C347	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C424	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
216	4	CAP SMD 100NF 16V K R (0603) RO	65	C539	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
217	4	TR SMD DPMOS IRF7314 -5.3A/-20V	1	IC507	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L500	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L503	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L504	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L507	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L508	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
218	4	FERRITE SMD 220R/100MHz2A 0.05R	7	L512	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
219	4	IC LDO LM1117 1.8V/800mA SOT223	2	IC501	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
219	4	IC LDO LM1117 1.8V/800mA SOT223	2	IC504	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
220	4	CAP SMD 1UF 16V Z Y5V (0603) RO	3	C453	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
220	4	CAP SMD 1UF 16V Z Y5V (0603) RO	3	C455	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
220	4	CAP SMD 1UF 16V Z Y5V (0603) RO	3	C477	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
221	4	IC DOPAMP LM358D SO8 RoHS	1	IC177	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
222	4	IC PW1306 (PQFP) RoHS	1	IC100	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
223	4	IC SWITCHREG MC34167 5A D2PAK R	1	IC505	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
224	4	TR SMD NMOS BSN20 0.17A/50V SOT	2	Q211	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
224	4	TR SMD NMOS BSN20 0.17A/50V SOT	2	Q212	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
225	4	IC BUFFER 74LVC541A SO20 RoHS	1	IC175	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
226	4	FERRITE NET 120/100MHz200mA 4*(	6	R142	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
226	4	FERRITE NET 120/100MHz200mA 4*(	6	R143	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
226	4	FERRITE NET 120/100MHz200mA 4*(	6	R144	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
226	4	FERRITE NET 120/100MHz200mA 4*(	6	R145	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
226	4	FERRITE NET 120/100MHz200mA 4*(	6	R146	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
226	4	FERRITE NET 120/100MHz200mA 4*(	6	R147	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
227	4	CAP SMD NET 10PF 50V F COG (603	6	C156	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
227	4	CAP SMD NET 10PF 50V F COG (603	6	C157	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
227	4	CAP SMD NET 10PF 50V F COG (603	6	C158	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
227	4	CAP SMD NET 10PF 50V F COG (603	6	C159	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
227	4	CAP SMD NET 10PF 50V F COG (603	6	C160	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
227	4	CAP SMD NET 10PF 50V F COG (603	6	C161	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
228	4	IC LDO LM1117 3.3V/800mA SOT223	2	IC502	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
228	4	IC LDO LM1117 3.3V/800mA SOT223	2	IC503	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
229	4	FUSE SAFE SMD 5A/32VDC (33A/1MS	1	F501	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
230	4	CAP SMD 39NF 25 J (0603) RoHS	1	C128	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
231	4	CAP SMD 3.9NF 50V J R (0603) Ro	1	C127	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D408	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D409	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D410	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D411	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D412	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D413	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D414	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
232	4	DIODE SMD ZEN C12V SOD123 ROHS	8	D415	20219857	MB.SMD.17MB18-5-COMMON TFT (ÜST)
233	3	MB.SMD.17MB18-5 W/IDTV TFT (ALT	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4

234	4	CAP SMD 47PF 50V J (0603) ROHS	3	C209	20219881	MB.SMD.17MB18-5 W/IDTV TFT (ALT)
234	4	CAP SMD 47PF 50V J (0603) ROHS	3	C362	20219881	MB.SMD.17MB18-5 W/IDTV TFT (ALT)
234	4	CAP SMD 47PF 50V J (0603) ROHS	3	C363	20219881	MB.SMD.17MB18-5 W/IDTV TFT (ALT)
235	4	RES SMD 1/16W 1K J (0603) ROHS	1	R200	20219881	MB.SMD.17MB18-5 W/IDTV TFT (ALT)
236	4	CAP SMD 100NF 16V K R (0603) RO	1	C224	20219881	MB.SMD.17MB18-5 W/IDTV TFT (ALT)
237	3	MB.SMD.17MB18-5 W/IDTV TFT (ÜST	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
238	4	RES SMD 1/16W 100R J (0603) ROH	6	R299	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
238	4	RES SMD 1/16W 100R J (0603) ROH	6	R300	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
238	4	RES SMD 1/16W 100R J (0603) ROH	6	R301	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
238	4	RES SMD 1/16W 100R J (0603) ROH	6	R704	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
238	4	RES SMD 1/16W 100R J (0603) ROH	6	R705	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
238	4	RES SMD 1/16W 100R J (0603) ROH	6	R209	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
239	4	CAP SMD 100PF 50V J (0603) ROHS	4	C211	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
239	4	CAP SMD 100PF 50V J (0603) ROHS	4	C212	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
239	4	CAP SMD 100PF 50V J (0603) ROHS	4	C210	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
239	4	CAP SMD 100PF 50V J (0603) ROHS	4	C207	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
240	4	CAP SMD 47PF 50V J (0603) ROHS	3	C213	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
240	4	CAP SMD 47PF 50V J (0603) ROHS	3	C214	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
240	4	CAP SMD 47PF 50V J (0603) ROHS	3	C208	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
241	4	RES SMD 1/16W 1K J (0603) ROHS	1	R201	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
242	4	RES SMD 1/16W 3.3K J (0603) ROH	1	R706	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
243	4	CAP SMD 100NF 16V K R (0603) RO	5	C269	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
243	4	CAP SMD 100NF 16V K R (0603) RO	5	C270	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
243	4	CAP SMD 100NF 16V K R (0603) RO	5	C272	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
243	4	CAP SMD 100NF 16V K R (0603) RO	5	C343	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
243	4	CAP SMD 100NF 16V K R (0603) RO	5	C344	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
244	4	RES SMD 1/16W 75R F (0603) ROHS	4	R210	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
244	4	RES SMD 1/16W 75R F (0603) ROHS	4	R212	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
244	4	RES SMD 1/16W 75R F (0603) ROHS	4	R214	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
244	4	RES SMD 1/16W 75R F (0603) ROHS	4	R215	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
245	4	FERRITE SMD 220R/100MHz2A 0.05R	2	L510	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
245	4	FERRITE SMD 220R/100MHz2A 0.05R	2	L511	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
246	4	DIODE SMD ZEN B5.1V SOD123 ROHS	2	D609	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
246	4	DIODE SMD ZEN B5.1V SOD123 ROHS	2	D610	20219882	MB.SMD.17MB18-5 W/IDTV TFT (ÜST)
247	3	MB.SMD.17MB18-5 W/FILTER TFT (Ü	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
248	4	MB.RAD.17MB18-W/FILTER TFT (ÜST	1		20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
249	5	CAP EL 10UF 50V MROHS	3	C435	20158330	MB.RAD.17MB18-W/FILTER TFT (ÜST)
249	5	CAP EL 10UF 50V MROHS	3	C436	20158330	MB.RAD.17MB18-W/FILTER TFT (ÜST)
249	5	CAP EL 10UF 50V MROHS	3	C437	20158330	MB.RAD.17MB18-W/FILTER TFT (ÜST)
250	5	CAP EL 100UF 16V MROHS	1	C445	20158330	MB.RAD.17MB18-W/FILTER TFT (ÜST)
251	4	TR SMD PBJT BC848B 0.1A/30VSOT2	3	Q403	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
251	4	TR SMD PBJT BC848B 0.1A/30VSOT2	3	Q404	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
251	4	TR SMD PBJT BC848B 0.1A/30VSOT2	3	Q405	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
252	4	FERRITE SMD600R/100MHz200mA1.1R	1	L415	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
253	4	CAP SMD 270PF 50V J (0603) ROHS	3	C440	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
253	4	CAP SMD 270PF 50V J (0603) ROHS	3	C441	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
253	4	CAP SMD 270PF 50V J (0603) ROHS	3	C444	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
254	4	RES SMD 1/16W 10K J (0603) ROHS	3	R451	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
254	4	RES SMD 1/16W 10K J (0603) ROHS	3	R453	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
254	4	RES SMD 1/16W 10K J (0603) ROHS	3	R449	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
255	4	RES SMD 1/16W 4.7K J (0603) ROH	3	R448	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
255	4	RES SMD 1/16W 4.7K J (0603) ROH	3	R450	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
255	4	RES SMD 1/16W 4.7K J (0603) ROH	3	R452	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
256	4	RES SMD 1/16W 75R J (0603) ROHS	6	R459	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
256	4	RES SMD 1/16W 75R J (0603) ROHS	6	R460	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
256	4	RES SMD 1/16W 75R J (0603) ROHS	6	R461	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
256	4	RES SMD 1/16W 75R J (0603) ROHS	6	R463	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
256	4	RES SMD 1/16W 75R J (0603) ROHS	6	R464	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
256	4	RES SMD 1/16W 75R J (0603) ROHS	6	R467	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
257	4	CAP SMD 100NF 16V K R (0603) RO	3	C439	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
257	4	CAP SMD 100NF 16V K R (0603) RO	3	C478	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
257	4	CAP SMD 100NF 16V K R (0603) RO	3	C479	20221015	MB.SMD.17MB18-5 W/FILTER TFT (ÜST)
258	3	MB.SMD.17MB18-5 W/VGA TFT (ÜST)	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
259	4	RES SMD 1/10W 100R J (0805) ROH	3	R487	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
259	4	RES SMD 1/10W 100R J (0805) ROH	3	R488	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
259	4	RES SMD 1/10W 100R J (0805) ROH	3	R489	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
260	4	RES SMD 1/10W 75R J (0805) ROHS	3	R413	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
260	4	RES SMD 1/10W 75R J (0805) ROHS	3	R419	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
260	4	RES SMD 1/10W 75R J (0805) ROHS	3	R416	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D400	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D401	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D402	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D403	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D404	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)

261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D405	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
261	4	DIODE BAV99 0.25A/70V 4.5A SOT2	7	D406	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
262	4	CAP SMD 10PF 50V D COG (0603).	3	C410	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
262	4	CAP SMD 10PF 50V D COG (0603).	3	C413	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
262	4	CAP SMD 10PF 50V D COG (0603).	3	C414	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
263	4	RES SMD 1/16W 220R J (0603) ROH	2	R418	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
263	4	RES SMD 1/16W 220R J (0603) ROH	2	R415	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
264	4	RES SMD 1/16W 3.3K J (0603) ROH	2	R414	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
264	4	RES SMD 1/16W 3.3K J (0603) ROH	2	R417	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
265	4	JUMPER SMD 0603 ROHS	1	S400	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
266	4	CAP SMD 100NF 16V K R (0603) RO	1	C400	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
267	4	IC EEPROM ST24LC21 128x8b RoHS	1	IC400	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
268	4	IC RGB SWITCH PI5V330 SO16 ROHS	1	IC405	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
269	4	DIODE BAV70 215mA/75V 4A SOT23	1	D407	20221016	MB.SMD.17MB18-5 W/VGA TFT (ÜST)
270	3	MB.SMD.17MB18-5 WO/ROCKER SW TF	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
271	4	JUMPER SMD 0603 ROHS	2	S207	20221017	MB.SMD.17MB18-5 WO/ROCKER SW TFT (ÜST)
271	4	JUMPER SMD 0603 ROHS	2	S186	20221017	MB.SMD.17MB18-5 WO/ROCKER SW TFT (ÜST)
272	3	MB.SMD.17MB18-5 LINE OUT TFT (A	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
273	4	TR SMD PBJT BC848B 0.1A/30VSOT2	2	Q411	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
273	4	TR SMD PBJT BC848B 0.1A/30VSOT2	2	Q412	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
274	4	FERRITE SMD600R/100MHz200mA1.1R	1	L410	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
275	4	RES SMD 1/16W 10K J (0603) ROHS	1	R426	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
276	4	RES SMD 1/16W 4.7K J (0603) ROH	2	R456	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
276	4	RES SMD 1/16W 4.7K J (0603) ROH	2	R457	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
277	4	CAP SMD 100NF 16V K R (0603) RO	1	C411	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
278	4	IC DAC CS4335 SOIC8 ROHS	1	IC407	20221160	MB.SMD.17MB18-5 LINE OUT TFT (ALT)
279	3	MB.SMD.17MB18-5 LINE OUT TFT (Ü	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
280	4	MB.RAD.17MB18-LINE OUT TFT (ÜST	1		20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
281	5	CAP EL 3.3UF 50V M ROHS	2	C408	20158438	MB.RAD.17MB18-LINE OUT TFT (ÜST)
281	5	CAP EL 3.3UF 50V M ROHS	2	C409	20158438	MB.RAD.17MB18-LINE OUT TFT (ÜST)
282	5	CAP EL 47UF 50V M ROHS	1	C412	20158438	MB.RAD.17MB18-LINE OUT TFT (ÜST)
283	4	FERRITE SMD600R/100MHz200mA1.1R	2	L400	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
283	4	FERRITE SMD600R/100MHz200mA1.1R	2	L401	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
284	4	RES SMD 1/16W 100R J (0603) ROH	3	R240	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
284	4	RES SMD 1/16W 100R J (0603) ROH	3	R241	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
284	4	RES SMD 1/16W 100R J (0603) ROH	3	R242	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
285	4	CAP SMD 1NF 50V K R (0603) ROHS	2	C401	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
285	4	CAP SMD 1NF 50V K R (0603) ROHS	2	C402	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
286	4	RES SMD 1/16W 1K J (0603) ROHS	2	R420	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
286	4	RES SMD 1/16W 1K J (0603) ROHS	2	R421	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
287	4	RES SMD 1/16W 330R J (0603) ROH	2	R410	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
287	4	RES SMD 1/16W 330R J (0603) ROH	2	R411	20221171	MB.SMD.17MB18-5 LINE OUT TFT (ÜST)
288	3	MB.SMD.17MB18-5 WO/YCBCR TFT (Ü	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
289	4	JUMPER SMD 0603 ROHS	3	S410	20221172	MB.SMD.17MB18-5 WO/YCBCR TFT (ÜST)
289	4	JUMPER SMD 0603 ROHS	3	S411	20221172	MB.SMD.17MB18-5 WO/YCBCR TFT (ÜST)
289	4	JUMPER SMD 0603 ROHS	3	S412	20221172	MB.SMD.17MB18-5 WO/YCBCR TFT (ÜST)
290	3	MB.SMD.17MB18-5 W/FILTER TFT (A	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
291	4	CAP SMD 47PF 50V J (0603) ROHS	3	C431	20221173	MB.SMD.17MB18-5 W/FILTER TFT (ALT)
291	4	CAP SMD 47PF 50V J (0603) ROHS	3	C432	20221173	MB.SMD.17MB18-5 W/FILTER TFT (ALT)
291	4	CAP SMD 47PF 50V J (0603) ROHS	3	C433	20221173	MB.SMD.17MB18-5 W/FILTER TFT (ALT)
292	3	MB.SMD.17MB18-5-COMMON TFT (ALT	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
293	4	DIODE SMD 1N4148 0.2A/75V ROHS	3	D175	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
293	4	DIODE SMD 1N4148 0.2A/75V ROHS	3	D176	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
293	4	DIODE SMD 1N4148 0.2A/75V ROHS	3	D177	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
294	4	FERRITE SMD600R/100MHz200mA1.1R	2	L100	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
294	4	FERRITE SMD600R/100MHz200mA1.1R	2	L101	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
295	4	RES SMD 1/16W 100R J (0603) ROH	2	R286	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
295	4	RES SMD 1/16W 100R J (0603) ROH	2	R236	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C349	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C350	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C351	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C352	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C354	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C355	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C356	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C364	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C365	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C366	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
296	4	CAP SMD 47PF 50V J (0603) ROHS	11	C367	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
297	4	CAP SMD 470PF 50V J (0603) ROHS	1	C533	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
298	4	CAP SMD 1NF 50V K R (0603) ROHS	1	C278	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
299	4	CAP SMD 10NF 50V K R (0603) ROH	3	C108	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
299	4	CAP SMD 10NF 50V K R (0603) ROH	3	C109	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
299	4	CAP SMD 10NF 50V K R (0603) ROH	3	C338	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)

300	4	CAP SMD 47NF 50V K (0603) ROHS	1	C231	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
301	4	CAP SMD 6.8NF 50V K (0603) ROHS	1	C311	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
302	4	CAP SMD 100NF 25V K R (0603) RO	1	C100	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R102	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R104	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R105	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R125	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R175	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R176	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R177	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R178	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R179	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R182	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R283	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
303	4	RES SMD 1/16W 10K J (0603) ROHS	12	R192	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
304	4	RES SMD 1/16W 12K J (0603) ROHS	1	R466	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
305	4	RES SMD 1/16W 1K J (0603) ROHS	2	R264	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
305	4	RES SMD 1/16W 1K J (0603) ROHS	2	R279	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
306	4	RES SMD 1/16W 3.3K J (0603) ROH	1	R433	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
307	4	RES SMD 1/16W 3.3K J (0603) ROH	3	R103	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
307	4	RES SMD 1/16W 3.3K J (0603) ROH	3	R108	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
307	4	RES SMD 1/16W 3.3K J (0603) ROH	3	R235	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
308	4	RES SMD 1/16W 4.7K J (0603) ROH	2	R225	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
308	4	RES SMD 1/16W 4.7K J (0603) ROH	2	R226	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
309	4	RES SMD 1/16W 6.8K J (0603) ROH	2	R510	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
309	4	RES SMD 1/16W 6.8K J (0603) ROH	2	R468	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
310	4	JUMPER SMD 0603 ROHS	4	S206	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
310	4	JUMPER SMD 0603 ROHS	4	S217	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
310	4	JUMPER SMD 0603 ROHS	4	R193	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
310	4	JUMPER SMD 0603 ROHS	4	R194	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
311	4	CAP SMD 220NF 16V K R (0603) RO	3	C309	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
311	4	CAP SMD 220NF 16V K R (0603) RO	3	C281	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
311	4	CAP SMD 220NF 16V K R (0603) RO	3	C304	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C104	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C105	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C110	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C111	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C112	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C113	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C114	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C119	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C120	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C121	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C122	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C124	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C131	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C134	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C135	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C139	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C140	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C143	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C144	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C145	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C146	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C147	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C149	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C151	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C218	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C244	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C245	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C246	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C275	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C289	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C308	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C325	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C537	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
312	4	CAP SMD 100NF 16V K R (0603) RO	34	C259	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
313	4	FERRITE SMD120R/100MHz200mA0.2R	1	R135	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
314	4	CAP SMD 1UF 16V Z Y5V (0603) RO	3	C336	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
314	4	CAP SMD 1UF 16V Z Y5V (0603) RO	3	C106	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
314	4	CAP SMD 1UF 16V Z Y5V (0603) RO	3	C107	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
315	4	CAP SMD 470NF 16V Z(0603) ROHS	1	C449	20221201	MB.SMD.17MB18-5-COMMON TFT (ALT)
316	3	MB.SMD.17MB18-5 W/12V POWER&SOF	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
317	4	MB.RAD.17MB18-5 W/12V POWER&SOF	1		20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)

318	5	CAP EL 470UF 16V M. ROHS	1	C521	20225252	MB.RAD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
319	5	CAP EL 100UF 50V M 105° ROHS	1	C531	20225252	MB.RAD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
320	4	TR SMD PBJT BC848B 0.1A/30VSOT2	1	Q500	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
321	4	CAP SMD 100NF 25V K R (0603) RO	2	C527	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
321	4	CAP SMD 100NF 25V K R (0603) RO	2	C532	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
322	4	RES SMD 1/16W 10K J (0603) ROHS	1	R503	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
323	4	RES SMD 1/16W 22K J (0603) ROHS	3	R500	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
323	4	RES SMD 1/16W 22K J (0603) ROHS	3	R505	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
323	4	RES SMD 1/16W 22K J (0603) ROHS	3	R506	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
324	4	RES SMD 1/16W 4.7K J (0603) ROH	1	R504	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
325	4	CAP SMD 220NF 16V K R (0603) RO	1	C500	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
326	4	CAP SMD 100NF 16V K R (0603) RO	2	C529	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
326	4	CAP SMD 100NF 16V K R (0603) RO	2	C176	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
327	4	TR SMD DPMOS IRF7314 -5.3A/-20V	1	IC506	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
328	4	TR SMD PMOS FDC642P -4A/-20V TS	1	Q505	20225251	MB.SMD.17MB18-5 W/12V POWER&SOFT SW(ÜST)
329	3	LCD DIFF.KIT.OTO MB18-5 20" (4:	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
330	4	MB.SMD.17MB18-5 20"(4:3) CHM PA	1		20236044	LCD DIFF.KIT.OTO MB18-5 20" (4:3) CHM
331	5	PR.IC.17MB18-TSOP48 FLASH 20"_A	1		20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
332	6	IC FLASHM 29LV800 8Mb TSOP48 Ro	1	IC102	20184650	PR.IC.17MB18-TSOP48 FLASH 20"_AU
333	5	MB.RAD.17MB18-5 20" CMO PANEL T	1		20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
334	6	CAP EL 100UF 25V MROHS	1	C194	20219856	MB.RAD.17MB18-5 20" CMO PANEL TFT (ÜST)
335	5	JUMPER SMD (0805) ROHS	1	S177	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
336	5	FERRITE SMD600R/100MHz200mA1.1R	1	L219	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
337	5	RES SMD 1/16W 100R J (0603) ROH	2	R185	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
337	5	RES SMD 1/16W 100R J (0603) ROH	2	R186	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
338	5	JUMPER SMD 0603 ROHS	2	S179	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
338	5	JUMPER SMD 0603 ROHS	2	S180	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
339	5	CONN FPC 50P(0.5MM)HORIZONTALRO	1	PL180	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
340	5	FERRITE SMD 220R/100MHz2A 0.05R	1	L181	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
341	5	IC LDO LM1117 3.3V/800mA SOT223	1	IC500	20219855	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ÜST)
342	4	MB.SMD.17MB18-5-W/5V PANEL TFT	1		20236044	LCD DIFF.KIT.OTO MB18-5 20" (4:3) CHM
343	5	MB.RAD.17MB18-5-W/5V PANEL TFT	1		20244979	MB.SMD.17MB18-5-W/5V PANEL TFT (ÜST)
344	5	RES SMD 1/16W 3.3K J (0603) ROH	1	R196	20244979	MB.SMD.17MB18-5-W/5V PANEL TFT (ÜST)
345	5	TR SMD PMOS FDC642P -4A/-20V TS	1	Q703	20244979	MB.SMD.17MB18-5-W/5V PANEL TFT (ÜST)
346	4	MB.SMD.17MB18-5 20"(4:3) CHM PA	1		20236044	LCD DIFF.KIT.OTO MB18-5 20" (4:3) CHM
347	5	CAP SMD 27PF 50V J CH (0603) RO	3	C102	20251841	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ALT)
347	5	CAP SMD 27PF 50V J CH (0603) RO	3	C103	20251841	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ALT)
347	5	CAP SMD 27PF 50V J CH (0603) RO	3	C154	20251841	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ALT)
348	5	JUMPER SMD 0603 ROHS	2	S181	20251841	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ALT)
348	5	JUMPER SMD 0603 ROHS	2	S182	20251841	MB.SMD.17MB18-5 20"(4:3) CHM PANEL (ALT)
349	3	MB.SMD.17MB18-WO/2D_COMB FILTER	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
350	4	MB.SMD.17MB18-4/5 COMB FILTER N	1		20237263	MB.SMD.17MB18-WO/2D_COMB FILTER N1A(ÜST)
351	5	MB.RAD.17MB18-4/5 COMB FILTER N	1		20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
352	6	CAP EL 10UF 50V MROHS	1	C442	20259339	MB.RAD.17MB18-4/5 COMB FILTER N1A (ÜST)
353	5	DIODE SMD 1N4148 0.2A/75V ROHS	1	D203	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
354	5	TR SMD PBJT BC848B 0.1A/30VSOT2	1	Q400	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
355	5	FERRITE SMD600R/100MHz200mA1.1R	1	L424	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
356	5	IC SCHM 74HCT14D SO14 RoHS	1	IC403	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
357	5	CAP SMD 1NF 50V K R (0603) ROHS	3	C429	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
357	5	CAP SMD 1NF 50V K R (0603) ROHS	3	C430	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
357	5	CAP SMD 1NF 50V K R (0603) ROHS	3	C443	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
358	5	CAP SMD 33NF 50V K (0603) ROHS	1	C426	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
359	5	RES SMD 1/16W 10K J (0603) ROHS	4	R441	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
359	5	RES SMD 1/16W 10K J (0603) ROHS	4	R442	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
359	5	RES SMD 1/16W 10K J (0603) ROHS	4	R476	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
359	5	RES SMD 1/16W 10K J (0603) ROHS	4	R485	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
360	5	RES SMD 1/16W 12K J (0603) ROHS	1	R275	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
361	5	RES SMD 1/16W 150K J (0603) ROH	2	R281	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
361	5	RES SMD 1/16W 150K J (0603) ROH	2	R440	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
362	5	RES SMD 1/16W 1K J (0603) ROHS	2	R265	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
362	5	RES SMD 1/16W 1K J (0603) ROHS	2	R270	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
363	5	RES SMD 1/16W 2.2K J (0603) ROH	1	R437	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
364	5	RES SMD 1/16W 27K J (0603) RoHS	1	R446	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
365	5	RES SMD 1/16W 47K J (0603) ROHS	1	R232	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
366	5	RES SMD 1/16W 6.8K J (0603) ROH	1	R462	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
367	5	RES SMD 1/16W 680R J (0603) ROH	1	R438	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
368	5	JUMPER SMD 0603 ROHS	1	S210	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
369	5	CAP SMD 100NF 16V K R (0603) RO	2	C328	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
369	5	CAP SMD 100NF 16V K R (0603) RO	2	C438	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
370	5	TR SMD NMOS BSH111 0.335A/55V S	2	Q206	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
370	5	TR SMD NMOS BSH111 0.335A/55V S	2	Q210	20259338	MB.SMD.17MB18-4/5 COMB FILTER N1A (ÜST)
371	4	IC VIDEO TDA15020H/N1A00 50HZ Q	1	IC203	20237263	MB.SMD.17MB18-WO/2D_COMB FILTER N1A(ÜST)
372	3	MB.SMD.17MB18-4/5 W/STEREO TFT	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
373	4	RES SMD 1/16W 100K J (0603) ROH	1	C484	20238711	MB.SMD.17MB18-4/5 W/STEREO TFT (ÜST)

374	4	CAP SMD 100NF 25V K R (0603) RO	1	C464	20238711	MB.SMD.17MB18-4/5 W/STEREO TFT (ÜST)
375	4	RES SMD 1/16W 12K J (0603) ROHS	1	R465	20238711	MB.SMD.17MB18-4/5 W/STEREO TFT (ÜST)
376	4	RES SMD 1/16W 6.8K J (0603) ROH	1	R469	20238711	MB.SMD.17MB18-4/5 W/STEREO TFT (ÜST)
377	4	CAP SMD 470NF 16V Z(0603) ROHS	1	C451	20238711	MB.SMD.17MB18-4/5 W/STEREO TFT (ÜST)
378	3	MB.SMD.17MB18-4/5 WO/BLUE LED (	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
379	4	RES SMD 1/16W 220R J (0603) ROH	2	R310	20251793	MB.SMD.17MB18-4/5 WO/BLUE LED (ÜST)
379	4	RES SMD 1/16W 220R J (0603) ROH	2	R311	20251793	MB.SMD.17MB18-4/5 WO/BLUE LED (ÜST)
380	3	MB.SMD.17MB18-WO/2D_COMB FILTER	1		20264489	M.ASSY.17MB18-5-OTO 1X1712121X1X1X4
381	4	MB.SMD.17MB18-4/5 COMB FILTER N	1		20259604	MB.SMD.17MB18-WO/2D_COMB FILTER N1A(ALT)
382	5	CAP SMD 6.8PF 50V D COG (0603)	2	C317	20259342	MB.SMD.17MB18-4/5 COMB FILTER N1A (ALT)
382	5	CAP SMD 6.8PF 50V D COG (0603)	2	C318	20259342	MB.SMD.17MB18-4/5 COMB FILTER N1A (ALT)
383	1	POWER CORD ASSY.SAFE(BRI.WAL PL	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
384	2	POWER CORDSAFE MON(BRI.WAL PLG)	1		20264517	POWER CORD ASSY.SAFE(BRI.WAL PLG)-PKG
385	2	STRAP TIE LST-10 (PINGOOD) Ro	1		20264517	POWER CORD ASSY.SAFE(BRI.WAL PLG)-PKG
386	1	MD.ASY.17FAV13-F/HP/SPDIF 2010/	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
387	2	MD.MAN.17FAV13-F/HP/SPDIF 2010/	1		20265552	MD.ASY.17FAV13-F/HP/SPDIF 2010/1MB18ROHS
388	3	MD.MAN.17FAV13-FAV 2010/11 MB18	1		20265574	MD.MAN.17FAV13-F/HP/SPDIF 2010/1MB18ROHS
389	4	CABL 1P/450 DIS UL1672AWG22RoH	1	PL104	20265545	MD.MAN.17FAV13-FAV 2010/11 MB18 ROHS
390	4	CONN HEADER 6P 2.0MM TOP ROHS	1	PL100	20265545	MD.MAN.17FAV13-FAV 2010/11 MB18 ROHS
391	4	JACK RCA 1P WHITE 28 FAV ROHS	1	JK103	20265545	MD.MAN.17FAV13-FAV 2010/11 MB18 ROHS
392	4	JACK RCA 1P RED 28 FAV ROHS	1	JK102	20265545	MD.MAN.17FAV13-FAV 2010/11 MB18 ROHS
393	4	JACK RCA 1P YELLOW 28 FAV ROHS	1	JK101	20265545	MD.MAN.17FAV13-FAV 2010/11 MB18 ROHS
394	3	MD.MAN.17FAV13-HP 2010/11 MB18	1		20265574	MD.MAN.17FAV13-F/HP/SPDIF 2010/1MB18ROHS
395	4	CONN MALE 4P WIRE TO BOARD HEAD	1	PL101	20265548	MD.MAN.17FAV13-HP 2010/11 MB18 ROHS
396	4	JACK HEADPHONE STEREO WO/SW ROH	1	JK104	20265548	MD.MAN.17FAV13-HP 2010/11 MB18 ROHS
397	3	MD.MAN.17FAV13-SPDIF 2010/11 MB	1		20265574	MD.MAN.17FAV13-F/HP/SPDIF 2010/1MB18ROHS
398	4	CONN HEADER 2P 2.5MM TOP BLACK	1	PL102	20265550	MD.MAN.17FAV13-SPDIF 2010/11 MB18 ROHS
399	4	JACK RCA 1P BLACK 28 FAV RoHS	1	JK100	20265550	MD.MAN.17FAV13-SPDIF 2010/11 MB18 ROHS
400	2	MD.OTO.17FAV13 FAV/HP/SPDIF 201	1		20265552	MD.ASY.17FAV13-F/HP/SPDIF 2010/1MB18ROHS
401	3	MD.SMD.17FAV13-FAV 2010/11 MB18	1		20265575	MD.OTO.17FAV13 FAV/HP/SPDIF 2010/11 MB18
402	4	CAP SMD 100PF 50V J (0805) ROHS	2	C102	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
402	4	CAP SMD 100PF 50V J (0805) ROHS	2	C103	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
403	4	CAP SMD 33PF 50V J (0805) ROHS	1	C101	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
404	4	RES SMD 1/10W 470R J (0805) RoH	2	R101	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
404	4	RES SMD 1/10W 470R J (0805) RoH	2	R102	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
405	4	JUMPER SMD (0805) ROHS	2	S102	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
405	4	JUMPER SMD (0805) ROHS	2	S103	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
406	4	FERRITE SMD600R/100MHz200mA1.1R	6	L102	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
406	4	FERRITE SMD600R/100MHz200mA1.1R	6	L103	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
406	4	FERRITE SMD600R/100MHz200mA1.1R	6	L104	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
406	4	FERRITE SMD600R/100MHz200mA1.1R	6	L105	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
406	4	FERRITE SMD600R/100MHz200mA1.1R	6	L106	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
406	4	FERRITE SMD600R/100MHz200mA1.1R	6	L107	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
407	4	DIODE SMD ZEN C5.1V SOD123 ROHS	3	D101	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
407	4	DIODE SMD ZEN C5.1V SOD123 ROHS	3	D102	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
407	4	DIODE SMD ZEN C5.1V SOD123 ROHS	3	D103	20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
408	4	PCB 17FAV13(ROHS)-SAFE	1		20265547	MD.SMD.17FAV13-FAV 2010/11 MB18
409	3	MD.SMD.17FAV13-HP 2010/11 MB18	1		20265575	MD.OTO.17FAV13 FAV/HP/SPDIF 2010/11 MB18
410	4	CAP SMD 4.7NF 50V K (0805) ROHS	2	C105	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
410	4	CAP SMD 4.7NF 50V K (0805) ROHS	2	C106	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
411	4	JUMPER SMD (0805) ROHS	2	R103	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
411	4	JUMPER SMD (0805) ROHS	2	R104	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
412	4	FERRITE SMD600R/100MHz200mA1.1R	2	L109	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
412	4	FERRITE SMD600R/100MHz200mA1.1R	2	L110	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
413	4	DIODE SMD ZEN C12V SOD123 ROHS	2	D104	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
413	4	DIODE SMD ZEN C12V SOD123 ROHS	2	D105	20265549	MD.SMD.17FAV13-HP 2010/11 MB18
414	3	MD.SMD.17FAV13-SPDIF 2010/11 MB	1		20265575	MD.OTO.17FAV13 FAV/HP/SPDIF 2010/11 MB18
415	4	RES SMD 1/10W 150R J (0805) ROH	1	R100	20265551	MD.SMD.17FAV13-SPDIF 2010/11 MB18
416	4	RES SMD 1/10W 470R J (0805) RoH	1	R105	20265551	MD.SMD.17FAV13-SPDIF 2010/11 MB18
417	4	FERRITE SMD600R/100MHz200mA1.1R	2	L100	20265551	MD.SMD.17FAV13-SPDIF 2010/11 MB18
417	4	FERRITE SMD600R/100MHz200mA1.1R	2	L101	20265551	MD.SMD.17FAV13-SPDIF 2010/11 MB18
418	4	DIODE SMD ZEN C5.1V SOD123 ROHS	1	D100	20265551	MD.SMD.17FAV13-SPDIF 2010/11 MB18
419	1	BRACKET CHS.MB18(VER 11)17-20"(	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
420	2	HIPS (NATURAL) SAFE ROHS	0,027		20267878	BRACKET CHS.MB18(VER 11)17-20"(EK2.GR/I)
421	2	MASTERBATCH EKO.GRAY GR3216SE1-	0,54		20267878	BRACKET CHS.MB18(VER 11)17-20"(EK2.GR/I)
422	1	CAB.AS.2010/11(WO/VGA)FAV/SPD/I	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
423	2	CABLE AS.DIFF.KIT 2010/11/20 MB	1		20267933	CAB.AS.2010/11(WO/VGA)FAV/SPD/ID(18)CH6B
424	3	CABL 50P/280 FFC (0.5mm) TFT.	1		20244393	CABLE AS.DIFF.KIT 2010/11/20 MB18(CHM6B)
425	3	CNAS11P-8P/130TFTSISW/DCUL1061A	1		20244393	CABLE AS.DIFF.KIT 2010/11/20 MB18(CHM6B)
426	2	CAB.AS.WO/P.2010/11(WO/VGA(FAV/	1		20267933	CAB.AS.2010/11(WO/VGA)FAV/SPD/ID(18)CH6B
427	3	CABLE ASSY DIFF.KIT IDTV TFT (M	1		20267934	CAB.AS.WO/P.2010/11(WO/VGA(FAV/SPD/ID)18
428	4	CNAS 1P/500 PIPTUNER W/DC RoHS	1		20252803	CABLE ASSY DIFF.KIT IDTV TFT (MB18)
429	4	CNAS 8P/250 SHL W/DC UL1533AWG2	1		20252803	CABLE ASSY DIFF.KIT IDTV TFT (MB18)
430	4	CNAS 3P/200 SHL W/DC UL2547AWG2	1		20252803	CABLE ASSY DIFF.KIT IDTV TFT (MB18)

431	4	CNAS4P-2/400-2/250SISW/3CUL1007	1		20252803	CABLE ASSY DIFF.KIT IDTV TFT (MB18)
432	4	CNAS 5P-4P/530 SISW/DC+FERUL100	1		20252803	CABLE ASSY DIFF.KIT IDTV TFT (MB18)
433	3	CNAS 2P/450 SIS W/YLWDC UL1007A	1		20267934	CAB.AS.WO/P.2010/11(WO/VGA(FAV/SPD/ID)18
434	3	CNAS 6-4P/370 TFT SHL W/DC UL20	1		20267934	CAB.AS.WO/P.2010/11(WO/VGA(FAV/SPD/ID)18
435	3	CNAS 6P/350 SHL W/DC UL2464AWG	1		20267934	CAB.AS.WO/P.2010/11(WO/VGA(FAV/SPD/ID)18
436	3	WIRE SADDLE (PINGOOD CHF-8) RoH	12		20267934	CAB.AS.WO/P.2010/11(WO/VGA(FAV/SPD/ID)18
437	3	CLEAR POLYPROPYLENE TAPE	0,92		20267934	CAB.AS.WO/P.2010/11(WO/VGA(FAV/SPD/ID)18
438	1	BUTTON AS.2010TFT(FAV/SPDIF)(SI	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
439	2	LENS LED TFT XX10-11 (I) (MILKY	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
440	3	HIPS (NATURAL) SAFE ROHS	0,25		20174896	LENS LED TFT XX10-11 (I) (MILKY)
441	3	CRYSTAL PS (NATURAL) RoHS	0,005		20174896	LENS LED TFT XX10-11 (I) (MILKY)
442	2	LENS IR TFT XX10 (I)	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
443	3	CRYSTAL PS (NATURAL) RoHS	0,005		20174897	LENS IR TFT XX10 (I)
444	2	BUTTON FUNC.TFT XX10-11 (SILVER	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
445	3	BUTTON FUNC.TFT XX10-11 (EKO.GR	1		20188267	BUTTON FUNC.TFT XX10-11 (SILVER/P)
446	4	ABS (NATURAL)	0,016		20174894	BUTTON FUNC.TFT XX10-11 (EKO.GRAY/I)
447	4	MASTERBATCH EKO.GRAY GR3216SE1-	0,08		20174894	BUTTON FUNC.TFT XX10-11 (EKO.GRAY/I)
448	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20188267	BUTTON FUNC.TFT XX10-11 (SILVER/P)
449	2	BUT.ON/OFF TFT XX10-11 (SILVER/	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
450	3	BUT.ON/OFF TFT XX10/11 (EKO.GRA	1		20188268	BUT.ON/OFF TFT XX10-11 (SILVER/P)(SM BAS
451	4	ABS (NATURAL)	0,002		20174895	BUT.ON/OFF TFT XX10/11 (EKO.GRAY)(SM BAS
452	4	MASTERBATCH EKO.GRAY GR3216SE1-	0,01		20174895	BUT.ON/OFF TFT XX10/11 (EKO.GRAY)(SM BAS
453	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20188268	BUT.ON/OFF TFT XX10-11 (SILVER/P)(SM BAS
454	2	SIDEWALL (L) TFT2010/11 (SILVER	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
455	3	SIDEWALL (L) TFT2010-11 (EKO.GR	1		20194034	SIDEWALL (L) TFT2010/11 (SILVER/P)
456	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20194034	SIDEWALL (L) TFT2010/11 (SILVER/P)
457	2	SIDEWALL (R)TFT2010/11(TV/M/V(S	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
458	3	SIDEWALL(R)TFT2010/11(TV/P/V)EK	1		20194036	SIDEWALL (R)TFT2010/11(TV/M/V(SILVER/P
459	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20194036	SIDEWALL (R)TFT2010/11(TV/M/V(SILVER/P
460	2	DOOR SOCKET 2010/11 TFT (SILVER	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
461	3	DOOR SOCKET 2010/11 TFT (EKO.GR	1		20194696	DOOR SOCKET 2010/11 TFT (SILVER/P)
462	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20194696	DOOR SOCKET 2010/11 TFT (SILVER/P)
463	2	SB COSMETIC COVER 2010/11TFT(S	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
464	3	SB COSMETIC CVR.2010/11TFT (EK	1		20194703	SB COSMETIC COVER 2010/11TFT(SILVER/P)
465	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20194703	SB COSMETIC COVER 2010/11TFT(SILVER/P)
466	2	BRACKET 17FAV13 AV/HP/SPDIF (SI	1		20267935	BUTTON AS.2010TFT(FAV/SPDIF)(SILVER/P)
467	3	BRACKET 17FAV13 AV/HP/SPDIF (EK	1		20267936	BRACKET 17FAV13 AV/HP/SPDIF (SILVER/P)
468	4	HIPS (NATURAL) SAFE ROHS	0,001		20264064	BRACKET 17FAV13 AV/HP/SPDIF (EKO.GRAY/I)
469	4	MASTERBATCH EKO.GRAY GR3216SE1-	0,001		20264064	BRACKET 17FAV13 AV/HP/SPDIF (EKO.GRAY/I)
470	3	PAINT SILVER 022-6485 (SU BAZLI	0,001		20267936	BRACKET 17FAV13 AV/HP/SPDIF (SILVER/P)
471	1	EXP.KIT 2010/11(VGA)VER11-CH6B(	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
472	2	EXP.KIT.DIF.KIT 2010/11 IDTV(CH	1		20267944	EXP.KIT 2010/11(VGA)VER11-CH6B(MB18)IDTV
473	3	BRACKET DISPLAY 20 CHM	4		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
474	4	ABS BLACK	0,005		20219422	BRACKET DISPLAY 20 CHM
475	3	GUIDE RAIL RIGHT (ID TV) (I) H	1		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
476	4	HIPS (NATURAL) SAFE ROHS	0,004		20242760	GUIDE RAIL RIGHT (ID TV) (I) H :19.00 mm
477	4	MASTERBATCH (BLACK)	0,04		20242760	GUIDE RAIL RIGHT (ID TV) (I) H :19.00 mm
478	3	GUIDE RAIL LEFT (ID TV) (I) H :	1		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
479	4	HIPS (NATURAL) SAFE ROHS	0,004		20242761	GUIDE RAIL LEFT (ID TV) (I) H :19.00 mm
480	4	MASTERBATCH (BLACK)	0,04		20242761	GUIDE RAIL LEFT (ID TV) (I) H :19.00 mm
481	3	6 CCFL INV LVE0321 20" AU CMO S	1		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
482	3	TFT LCD 20" CMO V201V1-T03 SAFE	1		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
483	3	FRAME 20TN AU/CMO MB18 MB39 SAM	1		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
484	3	SPONGE TFT 1504-05-06 (12x230)(	2		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
485	3	CTY SPONGE (220x10x1) (100Kg/m³	4		20242044	EXP.KIT.DIF.KIT 2010/11 IDTV(CHM6B)MB18
486	2	EXP.KIT.WO/PA.2010/11TFT(VGA)VE	1		20267944	EXP.KIT 2010/11(VGA)VER11-CH6B(MB18)IDTV
487	3	HANG METAL TFT2324 ROHS	2		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
488	3	NITTO TAPE NO.5 W20 (BLACK)(H42	0,7		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
489	3	CELLOPHANE TAPE (H42 PDP MON)	0,3		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
490	3	SPONGE (7x85x200) (33KG/M3)(MAX	1		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
491	3	CELLOPHANE _TAPE (H42_PDP_MON)	0,3		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
492	3	EMI Stick Cu-3080 (30x80mm)RoHS	6		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
493	3	LABEL DC 12V W/VGA W/TV (VER11)	1		20267872	EXP.KIT.WO/PA.2010/11TFT(VGA)VER11(MB18)
494	1	PSU 12VDC 6A C14 4PO W/PFC SAFE	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
495	1	DVB IDTV 10038106 16MB39E2-P UK	1		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT
496	1	NYLON SHIELD 50*90 (15+15) HDPE	24,5		10042152	17MB18 2010 SIDE AV (S/PDIF)(IDTV) PİLOT